ကုမ္ပဏီအမည် - Asia AVA Gas Co., Ltd.

လုပ်ငန်း - ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်း လုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာခြင်း ကိစ္စ

စဉ်	အကြောင်းအရာ	ဆောင်ရွက်သည့် နေ့စွဲ	ပြန်ကြားချက် ရရှိသည့်နေ့စွဲ	မှတ်ချက်
၁	အဆိုပြုလွှာလက်ခံရရှိခြင်း	၂၂-၁-၂၀၁၆		
၂	သဘောထားမှတ်ချက်တောင်းခံခြင်း			
	(က) ရန်ကုန်တိုင်းဒေသကြီးအစိုးရအဖွဲ့	၂၃-၂-၂၀၁၆	၁၃-၃-၂၀၁၆	၁၉ ရက်
	(ခ) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန	၂၃-၂-၂၀၁၆	၁၀-၃-၂၀၁၆	၁၆ ရက်
	(ဂ) ပို့ဆောင်ရေးဝန်ကြီးဌာန	၁၀-၃-၂၀၁၆	၁၆-၃-၂၀၁၆	၆ ရက်
	(ဃ) မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်း	၂၃-၂-၂၀၁၆	၅-၃-၂၀၁၆	၁၁ ရက်
၃	PAT (၇/၂၀၁၆) သို့ တင်ပြခြင်း	၁၆-၂-၂၀၁၆		
၄	အဆိုပြုချက်လက်ခံကြောင်းပြန်ကြားခြင်း	၂၃-၂-၂၀၁၆		
၅	ကုမ္ပဏီမှ PAT အစည်းအဝေးဆုံးဖြတ်ချက်နှင့် အညီ တင်ပြလာခြင်း	၂၁-၃-၂၀၁၆		
၆	ပြည်ထောင်စုအစိုးရအဖွဲ့သို့ တင်ပြခြင်း	ပြည်ထောင်စု အစိုးရအဖွဲ့ (၅/၂၀၁၆) ကြိမ်မြောက် ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၄ ရက်နေ့ အစည်းအဝေးတွင် လုပ်ငန်းဆောင်ရွက်ခွင့်အား ခွင့်ပြုပြီး ဖြစ်ပါသည်။		
၇	ကုမ္ပဏီမှ အဆိုပြုလွှာ ပေးပို့ခြင်း	၂၂-၃-၂၀၁၆		
	စုစုပေါင်းကြာမြင့်ရက်	**၅၅ ရက်**		

ကုမ္ပဏီအမည်	-	Asia AVA Gas Co., Ltd.
အဖွဲ့အစည်းပုံသဏ္ဍာန်	-	ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု
လုပ်ငန်းအမျိုးအစား	-	ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်း လုပ်ငန်း
တည်နေရာ	-	ဦးပိုင်အမှတ်-(၁၂+၁၃+၁၄+၁၅/၂+၁၁) ၊ ကွင်းအမှတ်-(၆၇၂၊ ၆၇၅-က)၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ သန်လျင်မြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး၊ ရှိ စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧက
စုစုပေါင်းရင်းနှီးမြှုပ်နှံမှု	-	အမေရိကန်ဒေါ်လာ ၆၀.၀၀၀ သန်း
ဝန်ဆောင်မှုပေးမည့်စနစ်	-	ပြည်တွင်း ၁၀၀%
လုပ်ငန်းသက်တမ်း	-	ကနဦး (၅၀) နှစ်
အရင်းကြေကာလ	-	၅ နှစ် ၉ လ
IRR	-	၂၈ %

အထက်ပါလုပ်ငန်းဆောင်ရွက်ခြင်းဖြင့် နိုင်ငံတော်၏ Cost & Benefit ကို အောက်ပါဇယားဖြင့် ပြုစုတင်ပြအပ်ပါသည်-

စဉ်	အကြောင်းအရာ	Cost	Benefit
၁	နိုင်ငံ့ဝန်ထမ်း၏လစာ	ကျပ် ၃.၀၀ သန်း (တစ်နှစ်)	
၂	ကုမ္ပဏီမှတ်ပုံတင်ကြေး	-	ကျပ် ၁.၁၇၀ သန်း
၃	သွင်းကုန်ခွန်ကင်းလွတ်ခွင့်		ကျပ် ၂၀၀.၀၀၀ သန်း
၄	ဝင်ငွေခွန်	ကျပ် ၂၅,၉၈၀.၀၀ သန်း	ကျပ် ၀.၀၈၀ သန်း
၅	ကုန်သွယ်လုပ်ငန်းခွန်		ကျပ် ၆၅,၄၅၀.၀၀၀ သန်း
၆	လုပ်ခလစာအပေါ်ဝင်ငွေခွန်	-	-
၇	CSR (၂%)		ကျပ် ၀.၀၀၅ သန်း
၈	မြေငှားရမ်းခ,ရငွေ		ကျပ် ၃,၉၇၂.၅၀၀ သန်း
၉	အလုပ်အကိုင် အခွင့်အလမ်း		ပြည်တွင်း ၈၇ ဦး ပြည်ပ ၁၅ ဦး ပြည်တွင်းလုပ်သား(၇၈)ဦး အလုပ် အကိုင်ရရှိမည်ဖြစ်၍ ဒေသအလုပ်အကိုင် အခွင့်အလမ်းနှင့်ဒေသစီးပွားရေးဖွံ့ဖြိုး တိုးတက်မှု ကိုအထောက် အကူပြုစေပါသည်။ အလုပ်အကိုင် အခွင့်အလမ်းများ ပိုမို ရရှိစေပြီးဆင်းရဲနွမ်းပါးမှုလျော့ချရေးကို အထောက်အကူ ပြုစေနိုင်ပါသည်။
		ကျပ် ၂၅,၉၈၃.၀၀ သန်း	**ကျပ် ၆၉,၆၂၃.၇၅၅ သန်း**
		၁ း ၃	

အကြောင်းအရာ။ **ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. မှ ရေနံ ဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့်တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်းခြင်း၊ သိုလှောင်ခြင်းနှင့် ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြ လာခြင်းကိစ္စ**

၁။	ကုမ္ပဏီအမည်/ ကမကထပြုသူ	- Asia AVA Gas Co., Ltd. အမြဲတမ်းအတွင်းဝန်၊ စွမ်းအင်ဝန်ကြီးဌာန၊
	အဖွဲ့အစည်းပုံသဏ္ဍာန်	- ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု -မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း ၃.၅% -Avakahyasi Investments Pte.Ltd.(စင်ကာပူနိုင်ငံ) ၇၆.၅% -Same Sky Construction Co., Ltd. (မြန်မာနိုင်ငံ) ၁၀% -Guiding Star Group Co., Ltd. (မြန်မာနိုင်ငံ) ၁၀%
	လုပ်ငန်းအမျိုးအစား	- ရေနံ ဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့်တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်းခြင်း၊ သိုလှောင်ခြင်းနှင့် ဖြန့်ဖြူးရောင်းချခြင်း လုပ်ငန်း
၂။	တည်နေရာ	- ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ် ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-၆၇၂၊ ကျောင်းကုန်း အနောက်ကွင်း၊ ဦးပိုင်အမှတ် -၁၂+၁၃+၁၄+ ၁၅/၂ ရှိ မြေ ၂၂.၁၁ ဧက နှင့် ကွင်းအမှတ် ၆၇၅-က၊ ဗိုလ်ချုပ်တောင်ကွင်း၊ ဦးပိုင်အမှတ်-၁၁ ရှိ မြေ ၉.၆၇ ဧက စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧက
	မြေပိုင်ရှင်	- ဦးမျိုးအောင်နှင့် ဒေါ်အေးအေးမွန်
	မြေအကျယ်အဝန်း	- မြေ ၃၁.၇၈ ဧက (၁၂၈,၆၀၉ စတုရန်းမီတာ)
	မြေငှားရမ်းကာလ	- ၅၀ နှစ် (သက်တမ်းတိုး ၁၀နှစ် ၂ ကြိမ်)
၃။	နှစ်စဉ်မြေငှားရမ်းခ	- US$ ၂၅,၀၀၀ (တစ်နှစ် ၁ ဧက) တစ်နှစ် ၁ စတုရန်းမီတာလျှင် US$ ၆.၁၈ နှုန်း - ပထမသုံးနှစ်အတွက် ဧက၂၀ ငှားရမ်းမည် ဖြစ်ပြီး လေးနှစ်မြောက် စီးပွားဖြစ်စတင်သည့် ကာလမှစ၍

		စုစုပေါင်းမြေ ၃၀.၇၈ ဧက ငှားရမ်းမည် ဖြစ်ပါသည်။
		- တစ်နှစ်မြေငှားရမ်းခ အမေရိကန်ဒေါ်လာ ၇၉၄,၅၀၀
၄။	လုပ်ငန်းသက်တမ်း	- ၅၀ နှစ် (သက်တမ်းတိုး ၁၀နှစ် ၂ ကြိမ်)
	တည်ဆောက်ရေးကာလ	- ၃ နှစ်
၅။	စုစုပေါင်းရင်းနှီးမြှုပ်နှံမှု	- US $ ၆၀.၀၀ သန်း
	ထည့်ဝင်သည့် အမျိုးအစား	

	နိုင်ငံခြား	နိုင်ငံသား	US $ (သန်း) စုစုပေါင်း
ငွေသား	၃.၀၀		၃.၀၀
စက်ပစ္စည်း(ပြည်ပဝယ်)	၄၃.၀၀		၄၃.၀၀
(ပြည်တွင်းဝယ်)			
Raw Material (ပြည်ပဝယ်)	၂.၀၀		၂.၀၀
မြေနှင့်အဆောက်အဦငှားရမ်းခ		၃.၅၀	၃.၅၀
အဆောက်အဦ ကုန်ကျစရိတ်		၈.၅၀	၈.၅၀
စုစုပေါင်း ရင်းနှီးမြှုပ်နှံမှု ပမာဏ	**၄၈.၀၀**	**၁၂.၀၀**	**၆၀.၀၀**

၆။	ဝန်ထမ်းအင်အား	- ၁၀၂ ဦး
	ပြည်တွင်း	- ၈၇ ဦး (အနိမ့်ဆုံးလစာမှာ US$ ၁၄၆ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၃၈၃ ဖြစ်ပါသည်။)
	ပြည်ပ	- ၁၅ ဦး (အနိမ့်ဆုံးလစာမှာ US$ ၇၅၀ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၂,၅၀၀ ဖြစ်ပါသည်။)
၇။	ထုတ်လုပ်မှုနှင့်ရောင်းချမည့်ဈေးနှုန်း (၆နှစ်မြောက်)	

LPG အိုး (အမျိုးအစား)	**အရေအတွက် (မက်ထရစ်တန်ပေါင်း)**	**ရောင်းဈေးနှုန်း US$(သန်း)**
- 5 Kg အိုး	၃၀,၀၀၀	၂၆.၁၇၆
-10 Kg အိုး	၃၀,၀၀၀	၂၆.၁၇၆
- 15 Kg အိုး	၆၀,၀၀၀	၅၂.၃၅၂
Bulk LPG	၁၈၀,၀၀၀	၁၅၇.၀၅၇
စုစုပေါင်း	**၃၀၀,၀၀၀**	**၂၆၁.၇၆၁**

၈။	ဝင်ငွေ (ဆဋ္ဌမနှစ်)	- US$ ၂၆၁.၇၆၁ သန်း
	အသုံးစရိတ် (ဆဋ္ဌမနှစ်)	- US$ ၂၄၂.၄၆၉ သန်း
	အသားတင်အမြတ် (ဆဋ္ဌမနှစ်)	- US$ ၁၉.၂၉၂ သန်း
	အရင်းကြေကာလ	- ၅ နှစ် ၉ လ
	အရင်းအနှီးအပေါ် အကျိုးအမြတ် ပြန်ပေါ်နှုန်း (IRR)	- ၂၈ %

၉။	နိုင်ငံတော်မှ ရရှိမည့် အကျိုးအမြတ် - ဝင်ငွေခွန် - ကုန်သွယ်လုပ်ငန်းခွန်	 - US$ ၁၆.၃၂၂ သန်း - US$ ၁၃.၀၈၈ သန်း
၁၀။	လျှပ်စစ်ဓါတ်အားသုံးစွဲမှု (နှစ်စဉ်) ရေသုံးစွဲမှု (နှစ်စဉ်)	- ၃၅၀ kWH - ၁,၀၉၅,၀၀၀ ဂါလံ
၁၁။	CSR	- နှစ်စဉ် အသားတင်အမြတ်ငွေ၏ ၂ % ကို အသုံးပြုမည်ဟုတင်ပြထားပါသည်။

ASIA AVA GAS COMPANY LIMITED
MACHINERY TO BE IMPORTED FROM OVERSEAS

No.	Category	Qty	Unit	Equipment	Piping	Instruments	Electrical	Total
				US$	US$	US$	US$	US$
1	Unit 0100 - 0500 Process Units	1	Package	9,648,000	1,250,000	2,290,000	2,220,000	15,408,000
2	Unit 1100 Raw Water Treatment Unit	1	Package	165,000	20,000	20,000	40,000	245,000
3	Unit 1200 Fire Water System	1	Package	203,000	30,000	20,000	50,000	303,000
4	Unit 1300 Potable Water System	1	Package	121,000	20,000	10,000	30,000	181,000
5	Unit 1400 Cooling Water System	1	Package	49,000	10,000	10,000	10,000	79,000
6	Unit 3100 Plant Air / Instrument Air	1	Package	280,000	40,000	30,000	60,000	410,000
7	Unit 3200 Nitrogen Supply Unit	1	Package	265,000	30,000	30,000	60,000	385,000
8	Unit 3500 Waste Water Collection Unit	1	Package	586,000	80,000	70,000	130,000	866,000
9	Unit 8000 Cold Vent System	1	Package	107,000	10,000	10,000	20,000	147,000
10	Unit 9000 Electrical Generator System	1	Package	1,016,000	130,000	130,000	240,000	1,516,000
11	2 Year Spare Parts	1	Package	500,000				500,000
	Total Value (US$)			12,940,000	1,620,000	2,620,000	2,860,000	**20,040,000**

အဆိုပြုလုပ်ငန်းအတွက် လယ်ယာမြေအား အခြားနည်းအသုံးပြုရန် ခွင့်ပြုမိန့်ပုံစံ-၁၅ ရရှိထားသော ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်(၆၇၂)၊ ကျောင်းကုန်းအနောက်ကွင်း၊ ဦးပိုင်အမှတ် - ၁၂+၁၃+၁၄+၁၅/၂ ရှိ မြေ ၂၂.၁၁ ဧက၊ ကွင်းအမှတ် (၆၇၅-က)၊ ဗိုလ်ချုပ်တောင်ကွင်း၊ ဦးပိုင်အမှတ်-၁၁ ရှိ မြေ ၉.၆၇ ဧက၊ သနပ်ပင်ကျေးရွာ၊ ကွင်းအမှတ် (၆၈၆-A/E) ဘော့ချောင်းတောင်ကွင်းရှိ မြေ ၁၀.၅၆ ဧက စုစုပေါင်းမြေ ၄၂.၃၄ ဧကအနက်မှ ပထမသုံးနှစ်တွင် မြေဧက ၃၁.၇၈ ဧကသာ စတင်ငှားရမ်းအသုံးပြုမည်ဖြစ်ပြီး ကျန်ရှိမြေ ၁၀.၅၆ ဧက အားတည်ဆောက်ရေးကာလအပြီး စတုတ္ထနှစ်မှစ၍ ထပ်မံငှားရမ်းအသုံးပြုမည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

စာအမှတ်၊ ရက- ၅(စ)/န-၀၁၄/၂၀၁၆ (၂၁၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ် မတ် လ ၂၄ ရက်

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့
တင်ပြသည့်အမှာစာ

အကြောင်းအရာ။ **ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. မှ ရေနံဓာတ်ငွေ့ရည် သိုလှောင် စခန်းနှင့် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ ရည်တင်သွင်းခြင်း၊ သိုလှောင်ခြင်းနှင့် ဖြန့်ဖြူးရောင်းချခြင်း လုပ်ငန်းဆောင် ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာခြင်းကိစ္စ**

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းမှ ၃.၅%၊ စင်ကာပူနိုင်ငံ Avakahyasi Investments Pte. Ltd.မှ ၇၆.၅%၊ မြန်မာနိုင်ငံ Same Sky Construction Company Limited မှ ၁၀% နှင့် Guiding Star Group Limited မှ ၁၀% ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြား ရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-၆၇၂၊ ကျောင်းကုန်းအနောက်ကွင်း၊ ဦးပိုင်အမှတ်-၁၂+၁၃+၁၄+၁၅/၂ ရှိ မြေ ၂၂.၁၁ ဧက နှင့် ကွင်းအမှတ် ၆၇၅-က၊ ဗိုလ်ချုပ်တောင်ကွင်း၊ ဦးပိုင်အမှတ်-၁၁ ရှိ မြေ ၉.၆၇ ဧက စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧကတွင် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည်တင်သွင်းခြင်း၊ သိုလှောင်ခြင်းနှင့် ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် စွမ်းအင်ဝန်ကြီးဌာနမှတစ်ဆင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်သို့ အဆိုပြုလွှာ တင်ပြလာပါ သည်။

၂။ လုပ်ငန်းစီမံကိန်းကာလမှာ နှစ် ၅၀ နှင့် သက်တမ်းတိုး (၁၀နှစ် ၂ ကြိမ်) ဖြစ်ပြီး တည်ဆောက်ရေးကာလ ၃ နှစ်ကြာမြင့်မည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

၃။ မြေငှားသက်တမ်းမှာ နှစ် ၅၀ နှင့် သက်တမ်းတိုး (၁၀နှစ် ၂ ကြိမ်) ဖြစ်ပြီး မြေငှားရမ်းသည့်ဧရိယာမှာ စုစုပေါင်း ၃၁.၇၈ ဧက(၁၂၈,၆၀၉ စတုရန်းမီတာ) ဖြစ်ပြီး တစ်နှစ် တစ်စတုရန်း မီတာလျှင် အမေရိကန်ဒေါ်လာ ၆.၁၈ နှုန်းဖြင့် တွက်ချက်တင်ပြထားပါသည်။ တစ်နှစ် တစ်ဧကလျှင် အမေရိကန်ဒေါ်လာ ၂၅,၀၀၀ ဖြစ်ပြီး တစ်နှစ်မြေငှားရမ်းခရငွေမှာ စုစုပေါင်း အမေရိကန်ဒေါ်လာ ၇၉၄,၅၀၀ ဖြစ်ပါသည်။

၄။ မြေပိုင်ရှင် ဦးမျိုးအောင်၊ ဒေါ်အေးအေးမွန်နှင့် ဖက်စပ်ကုမ္ပဏီ Asia AVA Gas Co., Ltd. တို့ချုပ်ဆိုမည့် မြေငှားရမ်းခြင်းစာချုပ် (မူကြမ်း) အား တင်ပြထားပါသည်။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် Avakahyasi Investments Pte. Ltd.၊ Same Sky Construction Co., Ltd. နှင့် Guiding Star Group Ltd. တို့ ချုပ်ဆိုမည့် ဖက်စပ်လုပ်ငန်း သဘောတူစာချုပ် (မူကြမ်း)အား တင်ပြထားပါသည်။

၅။ လုပ်ငန်း၏ စုစုပေါင်း မတည်ငွေရင်းပမာဏမှာ အမေရိကန်ဒေါ်လာ ၆၀.၀၀ သန်း ဖြစ်ပြီး ထည့်ဝင်မှုများမှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

	နိုင်ငံခြား	နိုင်ငံသား	**စုစုပေါင်း US$ (သန်း)**
ငွေသား	၃.၀၀		၃.၀၀
စက်ပစ္စည်း (ပြည်ပဝယ်)	၄၃.၀၀		၄၃.၀၀
Raw Material (ပြည်ပဝယ်)	၂.၀၀		၂.၀၀
မြေနှင့်အဆောက်အဦ ငှားရမ်းခ		၃.၅၀	၃.၅၀
အဆောက်အဦ ကုန်ကျစရိတ်		၈.၅၀	၈.၅၀
စုစုပေါင်း	**၄၈.၀၀**	**၁၂.၀၀**	**၆၀.၀၀**

၆။ လုပ်ငန်းဆောင်ရွက်ရန် အတွက် ပြည်တွင်းဝန်ထမ်း ၈၇ ဦး နှင့် ပြည်ပဝန်ထမ်း ၁၅ ဦး စုစုပေါင်း ၁၀၂ ဦး ခန့်ထားမည်ဖြစ်ပါသည်။ ပြည်တွင်းဝန်ထမ်းတစ်ဦး၏ အနိမ့်ဆုံးလစာမှာ US$ ၁၄၆ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၃၈၃ ဖြစ်ပြီး ပြည်ပဝန်ထမ်းတစ်ဦး၏ အနိမ့်ဆုံးလစာမှာ US$ ၇၅၀ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၂,၅၀၀ ဖြစ်ပါသည်။

၇။ အဆိုပြုလုပ်ငန်း၏ ပုံမှန်နှစ် (ဆဋ္ဌမနှစ်) တွင် ထုတ်လုပ်မှုနှင့် ရောင်းဈေးနှုန်းမှာ အောက်ပါအတိုင်းဖြစ်ပါသည်-

LPG အိုး (အမျိုးအစား)	**အရေအတွက် (မက်ထရစ်တန်ပေါင်း)**	**ရောင်းဈေးနှုန်း US$(သန်း)**
5 kg အိုး	၃၀,၀၀၀	**၂၆.၁၇၆**
10 kg အိုး	၃၀,၀၀၀	၂၆.၁၇၆
15 kg အိုး	၆၀,၀၀၀	၅၂.၃၅၂
Bulk LPG	၁၈၀,၀၀၀	၁၅၇.၀၅၇
စုစုပေါင်း	**၃၀၀,၀၀၀**	**၂၆၁.၇၆၁**

၈။ ဤလုပ်ငန်းကို ဆောင်ရွက်ခြင်းဖြင့် ပုံမှန်နှစ်(ဆဌမနှစ်)တွင် ကုမ္ပဏီမှရရှိမည့် ဝင်ငွေနှင့် အသုံးစရိတ်ခန့်မှန်းခြေမှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

		US$ (သန်း)
(က)	ဝင်ငွေ	၂၆၀.၇၆၀
(ခ)	အသုံးစရိတ်	၂၄၂.၄၆၉
(ဂ)	အသားတင်အမြတ်	၁၉.၂၉၂

၉။ အဆိုပါလုပ်ငန်းကို ဆောင်ရွက်ခြင်းဖြင့် နိုင်ငံတော်မှ ပုံမှန်နှစ်တွင်ရရှိမည့် အကျိုးအမြတ် ခန့်မှန်းခြေမှာ ဝင်ငွေခွန် US$ ၁၆.၃၂၂ သန်းနှင့် ကုန်သွယ်လုပ်ငန်းခွန် US$ ၁၃.၀၈၈ သန်း ဖြစ်ပါသည်။ လုပ်ငန်း၏ အရင်းကြေကာလမှာ ၅ နှစ် ၉ လ ဖြစ်ပြီး အရင်းအနှီးအပေါ် အကျိုးအမြတ် ပြန်ပေါ်နှုန်း (IRR) မှာ ၂၈ % ဖြစ်ပါသည်။

၁၀။ အဆိုပြုလုပ်ငန်းနှင့်စပ်လျဉ်း၍ သက်ဆိုင်ရာဌာန၊ အဖွဲ့အစည်းများသို့ သဘောထားများ တောင်းခံခဲ့ရာ အောက်ပါအတိုင်း ပြန်ကြားလာပါသည်-

(က) **ရန်ကုန်တိုင်းဒေသကြီးအစိုးရအဖွဲ့ရုံးမှ** ရင်းနှီးမြှုပ်နှံမှုပြုလုပ်မည့်နေရာသည် နောင်ပြုလုပ်မည့် (သို့မဟုတ်) လက်ရှိမြို့ပြစီမံကိန်းကို ထိခိုက်နိုင်ခြင်းမရှိပါကြောင်း၊ အဆိုပြုလုပ်ငန်း လုပ်ကိုင်ပါက တည်ဆောက်ဆဲကာလတွင် ပြည်ပလုပ်သား(၁၅)ဦး၊ ပြည်တွင်း လုပ်သား(၁၃၅)ဦးနှင့် တည်ဆောက်ပြီး ကာလတွင် ပြည်တွင်းလုပ်သား(၈၇)ဦး၊ ပြည်ပလုပ်သား (၁၅)ဦး၊ စုစုပေါင်း (၁၀၂)ဦးခန့် အလုပ်အကိုင်ရရှိမည်ဖြစ်သောကြောင့် မြို့နယ်ဒေသအလုပ်အကိုင် အခွင့်အလမ်းနှင့် ဒေသစီးပွားရေး ဖွံ့ဖြိုးတိုးတက်မှုအတွက် အထောက်အကူဖြစ်စေပါကြောင်း၊ အဆိုပြုလုပ်ငန်း လုပ်ကိုင်ရန် ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-(၆၇၂၆၇၅-က)၊ ဦးပိုင်အမှတ်-(၁၁+၁၂+၁၃+၁၄+၁၅/၂)ရှိ စုစုပေါင်း မြေဧရိယာ ၃၁.၇၈ ဧက (၁၂၈,၆၀၉.၀၉၇ စတုရန်းမီတာ) အား တစ်နှစ်လျှင်အမေရိကန်ဒေါ်လာ ၈၅၅,၅၂၀ နှုန်း (1sqft=0.618$, 1sqm=6.652$) နှုန်းဖြင့် ကနဦး(၅၀)နှစ်နှင့် (၁၀)နှစ် (၂)ကြိမ် သက်တမ်းတိုး ငှားရမ်းဆောင်ရွက်ခြင်းအပေါ် ဒေသခံများက လူမှုရေး၊ စီးပွားရေး၊ သဘာဝပတ်ဝန်းကျင် ထိန်းသိမ်းမှုတို့အရ လက်ခံနိုင်ခြင်း ရှိပါကြောင်း၊ လုပ်ငန်းဆောင်ရွက်နိုင်သည့် မြေနေရာဖြစ်ပြီး အဆိုပြုလုပ်ငန်း လုပ်ကိုင်ရာတွင် သဘာဝပတ်ဝန်းကျင်အား ထိခိုက်မှုမရှိစေရန်

စီမံဆောင်ရွက်မည်ဟု တင်ပြထားသဖြင့် ကန့်ကွက်ရန်မရှိကြောင်း ၂၀၁၆ ခုနှစ် မတ်လ ၁၁ ရက်တွင် ကျင်းပခဲ့သော ရန်ကုန်တိုင်းဒေသကြီးအစိုးရအဖွဲ့ အစည်းအဝေး (၁၁/၂၀၁၆) ဆုံးဖြတ်ချက်အပိုဒ် (၇၀) အရ ရင်းနှီးမြှုပ်နှံမှုလုပ်ငန်း သစ်ဆောင်ရွက်မှုအား ခွင့်ပြုသင့်ပါကြောင်း သဘောထားပြန်ကြားလာပါသည်။

နောက်ဆက်တွဲ-က

(ခ) **ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သစ်တောရေးရာဝန်ကြီးဌာန** အဆိုပြုလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုရန်ကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်-

(၁) အဆိုပြုလုပ်ငန်းများကြောင့် ဖြစ်ပေါ်လာနိုင်သည့် ပတ်ဝန်းကျင်၊ လူမှုရေး နှင့်ကျန်းမာရေးထိခိုက် ပျက်စီးမှုများကို လျော့နည်းစေရန်အတွက် လုပ်ငန်း ဆိုင်ရာ အချက်အလက်များအား ပြည့်စုံစွာဖော်ပြပြီး လုပ်ငန်းဆောင်ရွက် ရာတွင် ပတ်ဝန်းကျင်ထိခိုက်မှု အနည်းဆုံး ဖြစ်စေမည့် နည်းစနစ်များအား အသုံးပြုရန်နှင့် အဆိုပြုလွှာတွင် ဖော်ပြထားသည့် လူမှုရေးအကျိုးပြု လုပ်ငန်းများ တာဝန်ခံဆောင်ရွက်မှု (Corporate Social Responsibility-CSR) အတွက် အသားတင် အမြတ်ငွေ၏ ၂%ကို အသုံးပြု ခြင်းအပါအဝင် ကတိကဝတ်များအား လိုက်နာ အကောင်အထည်ဖော် ဆောင်ရွက်ရန်။

(၂) အဆိုပြုလုပ်ငန်းများကြောင့် ပတ်ဝန်းကျင်နှင့် လူမှုရေးထိခိုက်မှု မရှိစေရေး (သို့မဟုတ်) ထိခိုက်မှုအနည်းဆုံး ဖြစ်စေရန်အတွက် ပတ်ဝန်းကျင် ထိခိုက်မှု ဆန်းစစ်ခြင်း (Environmental Impact Assessment-EIA) ကို ဆောင်ရွက်ပြီး ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ် နည်းနှင့်အညီ အစီရင်ခံစာရေးသားတင်ပြရန်။

(၃) အဆိုပြုလုပ်ငန်းများကြောင့် ပတ်ဝန်းကျင်နှင့် လူမှုရေးထိခိုက်မှုမရှိစေရေး (သို့မဟုတ်) ထိခိုက်မှုအနည်းဆုံးဖြစ်စေမည့် လုပ်ငန်းဆောင်ရွက်မည့် အစီအစဉ်၊ စွန့်ပစ်ပစ္စည်း/ စွန့်ပစ်အရည် စီမံခန့်ခွဲမှုအစီအစဉ်၊ စောင့် ကြပ်ကြည့်ရှုစစ်ဆေးမည့် အစီအစဉ်၊ ပတ်ဝန်းကျင်ထိခိုက်မှု လျော့ပါးရေး ဆောင်ရွက်မည့် လုပ်ငန်းများအတွက် သုံးစွဲမည့်ရန်ပုံငွေ စသည်တို့ပါဝင် သည့်ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်(Environmental Management Plan-EMP)အား ရေးဆွဲတင်ပြရန်နှင့် စီမံချက်ပါအတိုင်း အကောင်အထည် ဖော်ဆောင်ရွက်ရန်။

(၄) ပြဋ္ဌာန်းထားသည့် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများ၊ ညွှန်ကြားချက်များ၊ ပို့ဆောင်ရေးဝန်ကြီးဌာန မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်မှ ချမှတ်ထားသော ဥပဒေ၊ နည်းဥပဒေ၊ ညွှန်ကြားချက်များ၊ စည်းကမ်းချက်များနှင့်အညီ လိုက်နာကျင့်သုံး အကောင်အထည်ဖော်ဆောင်ရွက်ရန်။ **နောက်ဆက်တွဲ-ခ**

(ဂ) **ပို့ဆောင်ရေးဝန်ကြီးဌာနမှ** အဆိုပြုလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုရန် ကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်-

(၁) Asia AVA Gas Co., Ltd. မှ ရေနံဓာတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်မည့်နေရာသည် ဆိပ်ကမ်းနယ်နိမိတ် (Port Limit) အတွင်း ကျရောက်လျက်ရှိပြီး သန်လျင်ရေနံချက်စက်ရုံ ကမ်းနားဒေသတွင် တည်ရှိလျက်ရှိရာ တည်ဆောက်မည့် ဆိပ်ခံတံတား၏ ရေဒေသ ဧရိယာ ငှားရမ်းခြင်းအတွက် ရေဒေသဧရိယာ အကျယ်အဝန်းပေါ် မူတည်၍ လစဉ်မြေငှားရမ်းခ (သို့မဟုတ်) မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင် ဥပဒေအရ ခိုင်ကြေး (Royal Fees) ကို ပေးဆောင်ရန် လိုအပ်မည် ဖြစ်ပါကြောင်း၊

(၂) အဆိုပါ ရေနံဓါတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်း ဆောက်လုပ်ရန် စီမံကိန်း အဆိုပြုချက်နှင့် ပတ်သက်၍ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်မှ ခွင့်ပြုချက်ရရှိပါက မြေပြင်ဧရိယာ ငှားရမ်းခြင်းအား မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်နှင့် ညှိနှိုင်းဆွေးနွေး၍ လုပ်ထုံးလုပ်နည်းနှင့်အညီ ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ သဘောထားမှတ်ချက်ရယူပြီး မြေငှားစာချုပ်ချုပ်ဆို ဆောင်ရွက်ခြင်း ကိစ္စရပ်ကို ဆောင်ရွက်ရမည် ဖြစ်ကြောင်း၊

(၃) အထက်အပိုဒ် (၁)နှင့် (၂)တွင် ဖော်ပြထားသည့်အတိုင်း လုပ်ထုံးလုပ်နည်းနှင့်အညီ ညှိနှိုင်းဆောင်ရွက်မည်ဆိုပါက ကန့်ကွက်ရန်မရှိကြောင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်။ **နောက်ဆက်တွဲ-ဂ**

(ဃ) **မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်း** အဆိုပြုလုပ်ငန်းဆောင်ရွက်ခွင့်ပြုရန်ကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်-

(၁) Jetty သို့ ၆လက်မ ပိုက် ၂ လိုင်းသာဆွဲထားပြီး တစ်လိုင်းမှာ Loading ပိုက်လိုင်းဖြစ်၍ ကျန်တစ်လိုင်းမှာ ပြည်ပနှင့် ပြည်တွင်းသို့ ဖြန့်ဖြူးခြင်း ပြုမည်မဟုတ်၍ Off Loading ပိုက်လိုင်းမဟုတ်ဘဲ Vapor Return ပိုက်လိုင်းသာဖြစ်ပါသဖြင့် LPG Terminal နှင့် Jetty အတွက် မီးဘေး

အန္တရာယ်လုံခြုံရေးအတွက် NFPA Code ကိုလိုက်နာပြီး Fire Fighting System ကို အသေးစိတ် သီးခြားစီမံထားရန်။

(၂) Jetty အတွက် မီးငြိမ်းသတ်ရန်အတွက် ထည့်သွင်းရန်။

(၃) Gas Detection System အား လိုအပ်သည့် နေရာများတွင်ထည့်သွင်းရန်။

(၄) Jetty တည်ဆောက်ရေးနှင့် စပ်လျဉ်း၍ မြန်မာ့ဆိပ်ကမ်း အာဏာပိုင်အဖွဲ့မှ စိစစ်ထားသော Structure Design နှင့် ရေလမ်းနှင့် ပတ်သက်သော Hydrological Survey များ ဆောင်ရွက်ရန်။

(၅) သက်ဆိုင်ရာမီးသတ်ဦးစီးဌာနမှ ချမှတ်ထားသော လမ်းညွှန်ချက်များအတိုင်း လိုက်နာဆောင်ရွက်မည်ဆိုပါက ကန့်ကွက်ရန်မရှိကြောင်း တင်ပြလာပါသည်။ **နောက်ဆက်တွဲ-ဃ**

၁၁။ ငွေရေးကြေးရေးအထောက်အထားအဖြစ် Avakahyasi Investments Pte. Ltd.၏ မိခင်ကုမ္ပဏီဖြစ်သော Cathay Petroleum International Limited (Hong Kong) မှ Rabobank International (Hong Kong) Branch တွင် ၃၁-၁၂-၂၀၁၅ ရက်စွဲဖြင့် အမေရိကန်ဒေါ်လာ ၉,၈၉၉,၆၃၇.၃၂ ရှိ ကြောင်း အထောက်အထားနှင့် Avakahyasi Investments Pte. Ltd. သည် စင်ကာပူနိုင်ငံတွင် ကုမ္ပဏီမှတ်ပုံတင်အမှတ် 201316402K ဖြင့် ဖွဲ့စည်းထားကြောင်း အထောက်အထားများ ပူးတွဲတင်ပြထားပါသည်။

၁၂။ Same Sky Construction Co., Ltd. ၏ ကုမ္ပဏီဖွဲ့စည်းမှတ်ပုံတင်အမှတ်- ၁၄၉၅/၂၀၀၉-၂၀၁၀ (၁၅-၁-၂၀၁၀) ဖြင့် ဖွဲ့စည်းထားပြီး (၁၄-၁-၂၀၂၀) ရက်နေ့အထိ သက်တမ်းရှိကြောင်း အထောက်အထားနှင့် ၂၀၁၄-၂၀၁၅ ဘဏ္ဍာနှစ်အတွက် ကုန်သွယ်လုပ်ငန်းခွန်နှင့် ဝင်ငွေခွန် ဆောင်ပြီးကြောင်း အထောက်အထားများ ပူးတွဲ တင်ပြထားပါသည်။

၁၃။ Guiding Star Group Ltd.၏ ကုမ္ပဏီဖွဲ့စည်းမှတ်ပုံတင်လက်မှတ်- ၁၅၅၅/ ၂၀၁၀-၂၀၁၁ (၁၆-၁၁-၂၀၁၀)ဖြင့် ဖွဲ့စည်းထားပြီး (၁၅-၁၁-၂၀၂၀) ရက်နေ့အထိ သက်တမ်းရှိကြောင်း အထောက်အထားများ ပူးတွဲတင်ပြထားပါသည်။

၁၄။ ဝန်ထမ်းများ ကျန်းမာရေး၊ လုပ်ငန်းခွင်လုံခြုံရေးနှင့် လူမှုဖူလုံရေး အစီအစဉ်များအား ရေးဆွဲတင်ပြထားပါသည်။ မီးဘေးကာကွယ်ရေး အစီအစဉ် အသေးစိတ်နှင့် လျှပ်စစ်ဓာတ်အား သုံးစွဲမည့် အစီအစဉ်အား အဆိုပြုလုပ်ငန်း၏ Technical Proposal တွင် တင်ပြထားပါသည်။ Corporate Social Responsibility (CSR) အား အသားတင်အမြတ် ၏၂% ဆောင်ရွက်မည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

၁၅။ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေအခွန်ဆိုင်ရာ ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များကို ခံစားခွင့်ပြုရန် တင်ပြထားပါသည်။

၁၆။ အဆိုပြုလုပ်ငန်း၏ ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ့တွင် ကျင်းပသည့် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့၏ (၇/၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ပြီးဖြစ်ပါသည်။

၁၇။ **စိစစ်တင်ပြချက်**

(က) စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Ava Kahyasi Investments Pte. Ltd.၊ Same Sky Construction Company Ltd. နှင့် Guiding Star Group Ltd. တို့အကြား ချုပ်ဆိုသော ဖက်စပ်လုပ်ငန်းသဘောတူစာချုပ်ချုပ်ဆိုဆောင်ရွက်ခွင့်ရရှိနိုင်ရေးအတွက် ၄-၂-၂၀၁၆ ရက်နေ့တွင် ကျင်းပသော ပြည်ထောင်စုအစိုးရအဖွဲ့ အစည်းအဝေး အမှတ်စဉ် (၅/၂၀၁၆) မှ သဘောတူပါကြောင်း စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၀၁၆ခုနှစ် မတ်လ ၁၆ ရက်နေ့ ရက်စွဲပါစာဖြင့် တင်ပြထားပါသည်။

(ခ) အဆိုပြုလုပ်ငန်းသည် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ အမိန့်ကြော်ငြာစာအမှတ် ၅၀/၂၀၁၄အရ ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ချက် ရယူရန် လိုအပ်သော စီးပွားရေးလုပ်ငန်း အမျိုးအစားများစာရင်းတွင် ပါဝင်ပြီး၊အမိန့်ကြော်ငြာစာအမှတ် ၅၁/၂၀၁၄ အရ အကောက်ခွန် ကင်းလွတ်ခွင့်၊ သက်သာခွင့်နှင့် ကုန်သွယ်လုပ်ငန်းခွန် ကင်းလွတ်ခွင့်၊ သက်သာခွင့်မပေးသော လုပ်ငန်းများစာရင်းတွင် ပါဝင်ပါသည်။

(ဂ) ပြည်ပမှတင်သွင်းမည့် စက်ပစ္စည်းတန်ဖိုးမှာ အမေရိကန် ဒေါ်လာ ၂၀.၀၄၀ သန်းဖြစ်ကြောင်း စိစစ်တွေ့ရှိရပါသည်။

(ဃ) စာချုပ်(မူကြမ်း)အပေါ် ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၊ ပြည်ထောင်စုစာရင်းစစ်ချုပ်ရုံး၊ ဘဏ္ဍာရေးဝန်ကြီးဌာန၊ အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာနနှင့် မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်တို့၏ သဘောထားမှတ်ချက်များ ရရှိပြီးဖြစ်ပါသည်။

(င) အဆိုပြုလုပ်ငန်း၏ Technical Plan တွင် Operational Plan Structure နှင့် Operational Process and Activities တွင် တင်ပြထားမှုအရ LPG Bulk

Cargo ကို သင်္ဘောဖြင့် တင်သွင်းမည်ဖြစ်ပြီး တစ်ကြိမ်လျှင် အများဆုံး မက်ထရစ်တန် ၃,၀၀၀ အထိ တင်သွင်းနိုင်မည်ဖြစ်ပါသည်။ LPG ကို Pumping System ဖြင့် သယ်ပို့မည်ဖြစ်ပြီး ပိုက်လိုင်းမှတဆင့် Storage Tank သို့ ပို့ဆောင်မည်ဖြစ်ပြီး အဆိုပါ လုပ်ငန်းစဉ်အတွက် စုစုပေါင်း ၄၈ နာရီ ကြာမြင့်မည် ဖြစ်ကြောင်း တင်ပြထားပါသည်။ ပျမ်းမျှ တစ်လကို ၂ ကြိမ်မှ ၃ ကြိမ်အထိ တစ်နှစ်လျှင် ၂၄ ခေါက်မှ ၃၆ ခေါက်အထိ သင်္ဘောဖြင့် တင်သွင်း မည်ဖြစ်ပါသည်။ ဆိပ်ကမ်းမှတဆင့် Storage Tank သို့ပို့၍ ထိုမှတစ်ဆင့် (၃*၁၀၀၀ မက်ထရစ်တန်ဆံ့) Bottling Plant နှင့် (၃*၁၀၀၀ မက်ထရစ် တန်ဆံ့ + Standby Maximum Utilization ၁၁,၀၀၀ မက်ထရစ်တန် ဆံ့) Truck Loading Bays သို့ ပို့ဆောင်၍ သက်ဆိုင်ရာ လမ်းကြောင်းအလိုက် စနစ်တကျ ဖြန့်ဖြူးမည် ဖြစ်ကြောင်း တင်ပြထားပါသည်။

(စ) အဆိုပြုလုပ်ငန်းနှင့်ပတ်သက်၍ စွမ်းအင်ဝန်ကြီးဌာန(ဝန်ကြီးရုံး) ၏ ၂၁-၃-၂၀၁၆ ရက်စွဲပါစာဖြင့် LPG ဓာတ်ငွေ့ရည်သယ်ယူပို့ဆောင်မည့် ပိုက်လိုင်းမှာ အချင်း ၆ လက်မ ရှိသော သံမဏိပိုက်လိုင်း ၂ ခု တစ်ပေါင်းတည်းဖြစ်၍ မြေအောက် ၅ မီတာ အနက်မှ ဖြတ်သန်းသွားမည်ဖြစ်ပါကြောင်း ပိုက်သွယ်တန်းရာတွင် မြေအောက်မှ Horizontal Directional Drilling Method နည်းပညာ အသုံးပြု၍ သွယ်တန်း မည်ဖြစ်ပြီး အရှည်မီတာ ၆၀၀ ခန့် အကွာအဝေးအား ဖြတ်သန်းသွားမည် ဖြစ်ပါကြောင်း အဆိုပါ နည်းပညာအရ မြေကျင်းတူးဖော်ရန် မလိုအပ်ဘဲ အထူးမြေတူးကိရိယာဖြင့် မြေအောက်မှသာ တူးဖော်မည်ဖြစ်ပါသဖြင့် မြေမျက်နှာပြင်အား တစ်စုံတစ်ရာ သက်ရောက်မှုမရှိဘဲ ပိုက်လိုင်း ဖြတ်သန်းသွားလာမည့် မြေဧရိယာအတွင်းရှိ လက်ရှိလယ်ယာမြေနှင့် အခြားမြေ အသုံးချမှုများအပေါ် အကျိုးသက် ရောက်မှုရှိမည် မဟုတ်ပါကြောင်း ပိုက်လိုင်းသွယ်တန်းရာတွင် မြေအောက်မှ ဖြတ်သန်းသွားလာခွင့်အတွက် လည်းကောင်း၊ မျှော်လင့် မထားသော သီးနှံဆုံးရှုံးမှုအတွက် လိုအပ်သော သီးနှံလျော်ကြေးပေးချေရန် အတွက်လည်းကောင်း၊ သဘောတူညီမှုရရှိထားပြီးဖြစ်ပါကြောင်းနှင့် လိုအပ်ပါက ချုပ်ဆိုနိုင်ရန် အဆိုပါသဘောတူစာချုပ် မူကြမ်းပြုစုထားပြီးဖြစ်ပါကြောင်း တင်ပြလာပါသည်။

ဆုံးဖြတ်ရန်အချက်

၁၈။ ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-၆၇၂၊ ကျောင်းကုန်းအနောက်ကွင်း၊ ဦးပိုင်အမှတ် -၁၂+၁၃+၁၄+၁၅/၂ ရှိ မြေ ၂၂.၁၁ ဧကနှင့် ကွင်းအမှတ် ၆၇၅-က၊ ဗိုလ်ချုပ်တောင်ကွင်း၊ ဦးပိုင်အမှတ်-၁၁ ရှိ မြေ ၉.၆၇ ဧက စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧကတွင် ရေနံ ဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်းခြင်း၊ သိုလှောင်ခြင်းနှင့် ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းနှင့်စပ်လျဉ်း၍ ခွင့်ပြုမိန့်ထုတ်ပေးရန် သဘောတူ-မတူ။

ဥက္ကဋ္ဌ (ကိုယ်စား)
(မြသူဇာ၊ တွဲဖက်အတွင်းရေးမှူး)

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စွမ်းအင်ဝန်ကြီးဌာန
(ဝန်ကြီးရုံး)

စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁(၁၉၃/၂၀၁၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁၄ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **Asia AVA Gas Co., Ltd မှ ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည်တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း အား အကျိုးတူပူးပေါင်းဆောင်ရွက်ရေးကိစ္စ**

ရည်ညွှန်းချက်။ (၁) ဤရုံး၏ ၂၉-၁-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁ (၇၄/၂၀၁၆)

(၂) ဤရုံး၏ ၁၉-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁ (၁၁၈/၂၀၁၆)

စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Ava Kahyasi Investments Pte. Ltd. ၊ Same Sky Construction Company Ltd. နှင့် Guiding Star Group Ltd. တို့အကျိုးတူပူးပေါင်း၍ Asia AVA Gas Company Limited အမည်ဖြင့် ဖက်စပ်လုပ်ငန်း သဘောတူစာချုပ် (Joint Venture Agreement) ချုပ်ဆိုဆောင်ရွက်ခွင့်ရရှိနိုင်ရေး အတွက် ရည်ညွှန်း(၁)ပါစာဖြင့် ပြည်ထောင်စုအစိုးရအဖွဲ့သို့ တင်ပြခဲ့ရာ ၄-၂-၂၀၁၆ ရက်နေ့တွင်ကျင်းပပြုလုပ်သော ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်၊ ပြည်ထောင်စုအစိုးရအဖွဲ့ အစည်းအဝေးအမှတ်စဉ် (၅/၂၀၁၆) မှ သဘောတူပါကြောင်း ရည်ညွှန်း(၂)ပါစာဖြင့် အကြောင်းကြားလာပါသဖြင့် သိရှိနိုင်ပါရန်နှင့် လိုအပ်သလိုဆက်လက်ဆောင်ရွက်နိုင်ပါရန် တင်ပြအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဖေဇင်ထွန်း၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို
ဦးဆောင်ညွှန်ကြားရေးမှူး၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း

MEA(AVA) 16-3-2016

လျှို့ဝှက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စွမ်းအင်ဝန်ကြီးဌာန
(ဝန်ကြီးရုံး)

အကြောင်းအရာ။ **မှတ်တမ်းကောက်နုတ်ချက်ပေးပို့ခြင်း**

ရည် ညွှန်း ချက်။ (၁) ဤရုံး၏ ၂၉-၁-၂၀၁၆ ရက်စွဲပါစာအမှတ် ၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ ဝ၁(၇၄/၂၀၁၆)

(၂) ပြည်ထောင်စုအစိုးရအဖွဲ့ရုံး၏ ၁၁-၂ -၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ ၁၈ / ၂၅၇ / အဖရ (၅ / ၂၀၁၆)

အထက်ရည်ညွှန်း(၁)ပါစာဖြင့် တင်ပြထားသော စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့်AVA Kahyasi Investment Pte.Ltd ၊ Same Sky Construction Company Ltd.၊ Guiding Star Group Ltd. တို့ အကျိုးတူပူးပေါင်း၍ Joint Venture Agreement လက်မှတ်ရေးထိုးရေးကိစ္စနှင့်ပတ်သက်၍ ၄-၂-၂၀၁၆ ရက်နေ့တွင် ကျင်းပပြုလုပ်သော ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်၊ ပြည်ထောင်စုအစိုးရအဖွဲ့အစည်းအဝေးအမှတ်စဉ် (၅/၂၀၁၆)မှ သဘောတူပါကြောင်း ရည်ညွှန်း(၂)ပါစာဖြင့် အကြောင်းကြားလာပါသဖြင့် လိုအပ်သလိုဆက်လက်ဆောင်ရွက်နိုင်ပါရန် အကြောင်းကြားအပ်ပါသည်။

ဒုတိယဝန်ကြီး(ကိုယ်စား)

(ဌေးအောင်၊ဒုတိယအမြဲတမ်းအတွင်းဝန်)

ဝန်ကြီးရုံး

(မူဝါဒနှင့်ဥပဒေလုပ်ထုံးလုပ်နည်းစိစစ်ရေးနှင့်လုပ်ငန်းစစ်ဆေးရေးဌာနခွဲ)

စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ဝ၁ (၁၁၈) ၂၀၁၆

ရက် စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၁၉ ရက်

မိတ္တူကို

မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း

နောက်ဆက်တွဲ (က)

တိုင်းဒေသကြီးအစိုးရအဖွဲ့
စာအမှတ် ...
ရက်စွဲ ...
ရန်ကုန်တိုင်းဒေသကြီး

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
တိုင်းဒေသကြီးအစိုးရအဖွဲ့
ရန်ကုန်တိုင်းဒေသကြီး

စာအမှတ်၊ ၃ / ၆ - ၃ (၄၃) / စိုက်မွေး
ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ မတ် လ ၁၃ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်
အမှတ်(၁)၊ သစ္စာလမ်း၊ ရန်ကင်းမြို့နယ်

အကြောင်းအရာ။ **သဘောထားမှတ်ချက်တောင်းခံခြင်းကိစ္စ**

ရည် ညွှန်း ချက်။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ (၂၃. ၂. ၂၀၁၆)ရက်စွဲပါစာအမှတ်၊ ရက - ၅(စ)/ န-၀၁၄/၂၀၁၆(၀၈၅)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းမှ (၃. ၅%)၊ စင်ကာပူနိုင်ငံ Avakahyasi Investments Pte. Ltd. မှ (၇၆. ၅%)၊ မြန်မာနိုင်ငံ Same Sky Construction Company Limited မှ (၁၀%)နှင့် Guiding Star Group Limited မှ (၁၀%) ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-(၆၇၂၊ ၆၇၅-က)၊ ဦးပိုင်အမှတ်-(၁၁+၁၂+၁၃+၁၄+၁၅/၂)ရှိ စုစုပေါင်းမြေဧရိယာ ၃၁. ၇၈ ဧကတွင် ရေနံဓါတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓါတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီ ဆောင်ရွက်ခွင့်ပြုပါရန် လျှောက်ထားလာခြင်းအပေါ် သဘောထားမှတ်ချက် ပြန်ကြားပေးပါရန် ရည်ညွှန်းပါစာဖြင့် ညှိနှိုင်းမေတ္တာရပ်ခံလာခြင်းနှင့်စပ်လျဉ်း၍ ကွင်းဆင်းစိစစ်မှုအရ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် တင်ပြအပ်ပါသည်-

(က) ရင်းနှီးမြှုပ်နှံမှု ပြုလုပ်မည့်နေရာသည် နောင်ပြုလုပ်မည့် (သို့မဟုတ်) လက်ရှိမြို့ပြစီမံကိန်းကို ထိခိုက်နိုင်ခြင်းမရှိပါ။

(ခ) အဆိုပြုလုပ်ငန်းလုပ်ကိုင်ပါက တည်ဆောက်ဆဲကာလတွင် ပြည်ပလုပ်သား(၁၅)ဦး၊ ပြည်တွင်းလုပ်သား(၁၃၅)ဦးနှင့် တည်ဆောက်ပြီးကာလတွင် ပြည်တွင်းလုပ်သား(၈၇)ဦး၊ ပြည်ပလုပ်သား(၁၅)ဦး၊ စုစုပေါင်း(၁၀၂)ဦးခန့် အလုပ်အကိုင်ရရှိမည် ဖြစ်သောကြောင့် မြို့နယ်ဒေသအလုပ်အကိုင် အခွင့်အလမ်းနှင့် ဒေသစီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှု အတွက် အထောက်အကူဖြစ်စေပါသည်။

(ဂ) အဆိုပြုလုပ်ငန်းလုပ်ကိုင်ရန် ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်- (၆၇၂၊ ၆၇၅-က)၊ ဦးပိုင်အမှတ်-(၁၁+၁၂+၁၃+၁၄+၁၅/၂)ရှိစုစုပေါင်းမြေဧရိယာ ၃၁. ၇၈ ဧက(၁၂၈၆၀၉. ၀၉၇ စတုရန်းမီတာ)အား တစ်နှစ်လျှင်အမေရိကန်ဒေါ်လာ (၈၅၅၅၂၀)နှုန်း (1sqft=0.618 $, 1sqm=6.652$) နှုန်းဖြင့် ကနဦး(၅၀)နှစ်နှင့် (၁၀)နှစ် (၂)ကြိမ်

016/Cabinet/11.(27)

သက်တမ်းတိုး ငှားရမ်းဆောင်ရွက်ခြင်း အပေါ် ဒေသခံများက လူမှုရေး၊ စီးပွားရေး၊ သဘာဝပတ်ဝန်းကျင် ထိန်းသိမ်းမှုတို့အရ လက်ခံနိုင်ခြင်း ရှိပါသည်။

(ဃ) လုပ်ငန်းဆောင်ရွက်နိုင်သည့် မြေနေရာဖြစ်ပြီး အဆိုပြုလုပ်ငန်းလုပ်ကိုင်ရာတွင် သဘာဝပတ်ဝန်းကျင်အား ထိခိုက်မှုမရှိစေရန် စီမံဆောင်ရွက်မည်ဟု တင်ပြထားပါသည်။

၂။ အထက်ဖော်ပြပါအချက်များကြောင့်(၁၁. ၃. ၂၀၁၆)ရက်နေ့တွင် ကျင်းပပြုလုပ်သော ရန်ကုန်တိုင်းဒေသကြီးအစိုးရအဖွဲ့အစည်းအဝေးအမှတ်စဉ် (၁၁/၂၀၁၆)၊ ဆုံးဖြတ်ချက်အပိုဒ်(၇၀)အရ Asia AVA Gas Co., Ltd. ၏ ရင်းနှီးမြှုပ်နှံမှုလုပ်ငန်းသစ် ဆောင်ရွက်မှုအား ခွင့်ပြုသင့်ပါကြောင်း ထောက်ခံတင်ပြအပ်ပါသည်။

(မြင့်ဆွေ)
ဝန်ကြီးချုပ်

မိတ္တူကို

ရန်ကုန်တိုင်းဒေသကြီးသစ်တောနှင့်စွမ်းအင်ဝန်ကြီး
ရန်ကုန်တောင်ခရိုင်အထွေထွေအုပ်ချုပ်ရေးဦးစီးဌာန
သန်လျင်မြို့နယ်အထွေထွေအုပ်ချုပ်ရေးဦးစီးဌာန
Asia AVA Gas Co., Ltd.
လက်ခံစာတွဲ
မျှောစာတွဲ

နောက်ဆက်တွဲ (ခ)

Mq-195
10.3.16

ရင်းနှီးမြှုပ်နှံမှုဌာနဆိုင်ရာပူးပေါင်းလုပ်ငန်းအဖွဲ့
ရန်ကုန်မြို့
စာအမှတ်၊၀၀၁/ MIC(OSS) /၀၁(၈၁ /၁၆)
ရက် စွဲ ၊၂၀၁၆ခုနှစ် မတ် လ ၁၀ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **Asia AVA Gas Co.,Ltd မှ ရေနံဓာတ်ငွေ့ရည်တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းကို ဆောင်ရွက်ခွင့်ပြုပါရန်တင်ပြလာခြင်း ကိစ္စနှင့်ပတ်သက်၍ သဘောထားမှတ်ချက်ပြန်ကြားခြင်း**

ရည် ညွှန်း ချက်။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၂၃-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ ရက-၅(ခ)/ န-၀၁၄/ ၂၀၁၆(၀၈၄)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံနှင့်ဓာတုဗေဒလုပ်ငန်းမှ(၃.၅%)၊ စင်္ကာပူနိုင်ငံ Avakahyasi Investments Pte,Ltd မှ(၇၆.၅%)၊ မြန်မာနိုင်ငံ Same Sky Construction Company Limited မှ(၁၀%)နှင့် Guiding Star Group Limited မှ(၁၀%)ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co.,Ltd တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်(၆၇၂၊ ၆၇၅-က)၊ ဦးပိုင်အမှတ်(၁၁+၁၂+၁၃+၁၄+၁၅/၂)ရှိ စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ဧကေတွင် ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့တင်သွင်း သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းအား ဆောင်ရွက်ခွင့်ပြုပါရန်တင်ပြလာခြင်းကိစ္စနှင့် ပတ်သက်၍ စီစစ်ပြီးသဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းပါစာဖြင့် အကြောင်းကြားလာပါသည်။

၂။ ပူးတွဲပေးပို့လာသော အဆိုပြုလွှာတွင် ရင်းနှီးမြှုပ်နှံမှုကာလမှာ(၅၀)နှစ်ဖြစ်ပြီး တည်ဆောက်ရေးကာလမှာ(၃)နှစ်ဖြစ်ပါကြောင်း၊ ဝန်ထမ်းကျန်းမာရေး၊ ဘေးအန္တရာယ်ကင်းရှင်းရေးနှင့်သက်သာချောင်ချိရေးစီမံချက်များ၊ မီးဘေးကာကွယ်ရေးစီမံချက်များကိုလည်း ထည့်သွင်း ဖော်ပြထားပါကြောင်း၊ လုပ်ငန်းမှရရှိလာမည့်အသားတင်အမြတ်ငွေ၏ (၂%)ကို လူမှုရေးအကျိုးပြုလုပ်ငန်းများတာဝန်ခံပူးပေါင်းဆောင်ရွက်မှု (Corporate Social Responsibility

- CSR)လုပ်ငန်းများတွင်ထည့်ဝင်အသုံးပြုသွားမည်ဖြစ်ကြောင်း ဖော်ပြပါရှိပါသည်။ သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်ပတ်သက်၍ ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်း (Initial Environmental Examination – IEE)ကိုဆောင်ရွက်ပြီး အစီရင်ခံစာများအတိုင်း စနစ်တကျဆောင်ရွက်သွားမည်ဖြစ်ကြောင်းဖော်ပြပါရှိပါသည်။

၃။ Asia AVA Gas Co.,Ltd မှ ရေနံဓာတ်ငွေ့ရည်တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းများ ဆောင်ရွက်ခြင်းကြောင့် ဓာတ်ငွေ့ရည်များသယ်ဆောင်လာသည့်သင်္ဘောများသည် သဘာဝဘေးအန္တရာယ်များနှင့်မတော်တဆထိခိုက်မှုများကြုံတွေ့ပါက ဓာတ်ငွေ့ရည်များယိုဖိတ်မှုကြောင့် ပတ်ဝန်းကျင်ရေထုနှင့်လေထုညစ်ညမ်းခြင်းနှင့်အဆိပ်ဖြစ်စေခြင်း၊ LPG ဓာတ်ငွေ့ရည်သည် မီးလောင်ပေါက်ကွဲရန်လွယ်ကူပြီး လေထုထဲသို့ရောက်ရှိသွားပါက ပတ်ဝန်းကျင်နှင့်လူတို့အားဘေးအန္တရာယ်ဖြစ်စေနိုင်သော အဆိပ်ဓာတ်ငွေ့များအားဖြစ်ပေါ်စေခြင်း၊ ဆိပ်ခံတံတားတည်ဆောက်ခြင်းနှင့်ဓာတ်ငွေ့ပိုက်လိုင်းများသွယ်တန်းရာတွင်မြေများအားတူးဖော်မှုလုပ်ငန်းများကြောင့်လည်းကောင်း၊ အသုံးပြုမည့်စက်ယန္တရားများ၏ စွန့်ပစ်အရည်/အစိုင်အခဲများကြောင့်လည်းကောင်း၊ ပတ်ဝန်းကျင်မြေထု၊ ရေထုကိုညစ်ညမ်းစေခြင်း စသောပတ်ဝန်းကျင်ဆိုင်ရာထိခိုက်မှု ပြဿနာများဖြစ်ပေါ်စေနိုင်ပါသည်။

၄။ သို့ဖြစ်ပါ၍ Asia AVA Gas Co.,Ltd မှ ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့်ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းအားဆောင်ရွက်ခွင့်ပြုပါရန် တင်ပြလာခြင်းကိစ္စနှင့်ပတ်သက်၍ အောက်ပါအတိုင်းသဘောထားမှတ်ချက်ပြန်ကြားအပ်ပါသည်-

(က) အဆိုပြုလုပ်ငန်းများကြောင့်ဖြစ်ပေါ်လာနိုင်သည့် ပတ်ဝန်းကျင်၊ လူမှုရေးနှင့်ကျန်းမာရေးထိခိုက်ပျက်စီးမှုများကို လျော့နည်းစေရန်အတွက် လုပ်ငန်းဆိုင်ရာအချက်အလက်များအား ပြည့်စုံစွာဖော်ပြပြီးလုပ်ငန်းဆောင်ရွက်ရာတွင် ပတ်ဝန်းကျင်ထိခိုက်မှုအနည်းဆုံးဖြစ်စေမည့်နည်းစနစ်များအား အသုံးပြုရန်နှင့်အဆိုပြုလွှာတွင်ဖော်ပြထားသည့် လူမှုရေးအကျိုးပြုလုပ်ငန်းများတာဝန်ခံဆောင်ရွက်မှု (Corporate Social Respon- sibility – CSR)အတွက် အသားတင်အမြတ်ငွေ၏ (၂%)ကို အသုံးပြုခြင်းအပါအဝင် ကတိကဝတ်များအားလိုက်နာ အကောင်အထည်ဖော်ဆောင်ရွက်ရန်။

(ခ) အဆိုပြုလုပ်ငန်းများကြောင့် ပတ်ဝန်းကျင်နှင့်လူမှုရေးထိခိုက်မှုမရှိစေရေး(သို့မဟုတ်) ထိခိုက်မှုအနည်းဆုံးဖြစ်စေရန်အတွက် **ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း** (Environmental Impact Assessment – EIA)ကို ဆောင်ရွက်ပြီး ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ထုံးလုပ်နည်းနှင့်အညီအစီရင်ခံစာရေးသားတင်ပြရန်။

(ဂ) အဆိုပြုလုပ်ငန်းများကြောင့် ပတ်ဝန်းကျင်နှင့်လူမှုရေးထိခိုက်မှုမရှိစေရေး (သို့မဟုတ်) ထိခိုက်မှုအနည်းဆုံးဖြစ်စေမည့်လုပ်ငန်းဆောင်ရွက်မည့်အစီအစဉ်၊ စွန့်ပစ်ပစ္စည်း/ စွန့်ပစ်အရည်စီမံခန့်ခွဲမှုအစီအစဉ်၊ စောင့်ကြပ်ကြည့်ရှုစစ်ဆေးမည့်အစီအစဉ်၊ ပတ်ဝန်းကျင်ထိခိုက်မှုလျော့ပါးရေး ဆောင်ရွက်မည့်လုပ်ငန်းများအတွက် သုံးစွဲမည့်ရန်ပုံငွေ စသည်တို့ပါဝင်သည့် **ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်**(Environmental Management Plan - EMP)အား ရေးဆွဲတင်ပြရန်နှင့်စီမံချက်ပါအတိုင်းအကောင်အထည်ဖော်ဆောင်ရွက်ရန်။

(ဃ) ပြဋ္ဌာန်းထားသည့်ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများ၊ ညွှန်ကြားချက်များ၊ ပို့ဆောင်ရေးဝန်ကြီးဌာန မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်မှ ချမှတ်ထားသော ဥပဒေ၊ နည်းဥပဒေ၊ ညွှန်ကြားချက်များ၊ စည်းကမ်းချက်များနှင့်အညီ လိုက်နာကျင်သုံးအကောင်အထည်ဖော်ဆောင်ရွက်ရန်။

(င) သက်ဆိုင်ရာ တိုင်းဒေသကြီးအစိုးရအဖွဲ့နှင့်ဒေသခံပြည်သူများ၏ ဆန္ဒနှင့်သဘောထားများရယူဆောင်ရွက်ရန်။

(ဇော်မိုး)
ဒုတိယညွှန်ကြားရေးမှူး
အဖွဲ့ခေါင်းဆောင်
ရင်းနှီးမြှုပ်နှံမှုဌာနဆိုင်ရာပူးပေါင်းလုပ်ငန်းအဖွဲ့

မိတ္တူကို

ပြည်ထောင်စုဝန်ကြီးရုံး
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သစ်တောရေးရာဝန်ကြီးဌာန
ဒုတိယဝန်ကြီး(ပတ်ဝန်းကျင်)
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သစ်တောရေးရာဝန်ကြီးဌာန
ညွှန်ကြားရေးမှူးချုပ်၊ သစ်တောဦးစီးဌာန
ဦးဆောင်ညွှန်ကြားရေးမှူး၊ မြန်မာ့သစ်လုပ်ငန်း
ညွှန်ကြားရေးမှူးချုပ်၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန
ညွှန်ကြားရေးမှူး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ရန်ကုန်တိုင်းဒေသကြီး
ရုံးလက်ခံ

နောက်ဆက်တွဲ (ဂ)

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပို့ဆောင်ရေးဝန်ကြီးဌာန
ဝန်ကြီးရုံး

စာအမှတ်၊ ၆၂ - ပဆ/ ခွဲ(၁) (ည) (၃/၂၇၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁၆ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **သဘောထားမှတ်ချက် ပြန်ကြားခြင်း**

ရည် ညွှန်း ချက် ။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၁၀-၃-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ ရက-၅(စ)/န-၀၁၄/၂၀၁၆(၁၅၀)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းမှ ၃.၅%၊ စင်ကာပူနိုင်ငံ Avakahyasi Investments Pte.ltd မှ ၇၆.၅%၊ မြန်မာနိုင်ငံ Same Sky Construction Company Limited မှ ၁၀% နှင့် Guiding Star Group Limited မှ ၁၀% ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co.,Ltd. တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ် - (၆၇၂၊ ၆၇၅-က)၊ ဦးပိုင်အမှတ် - (၁၁+၁၂+၁၃+၁၄+၁၅/၂) ရှိ စုစုပေါင်း မြေဧရိယာ (၃၁.၇၈) ဧကတွင် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းများကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု ဥပဒေနှင့်အညီ ဆောင်ရွက်ခွင့်ပြုပါရန် ကိစ္စနှင့်စပ်လျဉ်း၍ သဘောထားမှတ်ချက် ပြန်ကြားပေးပါရန် ရည်ညွှန်းပါစာဖြင့် ညှိနှိုင်းလာခြင်း ဖြစ်ပါသည်။

၂။ Asia AVA Gas Co.,Ltd. မှ ရေနံဓါတ်ငွေ့ရည် တင်/ချဆိပ်ကမ်း တည်ဆောက်မည့်နေရာသည် ဆိပ်ကမ်းနယ်နိမိတ် (Port Limit)အတွင်း ကျရောက်လျှက်ရှိပြီး သန်လျင်ရေနံချက်စက်ရုံ ကမ်းနားဒေသတွင် တည်ရှိလျှက်ရှိရာ တည်ဆောက်မည့် ဆိပ်ခံတံတား၏ ရေဒေသဧရိယာ ငှားရမ်းခြင်းအတွက် ရေဒေသဧရိယာ အကျယ်အဝန်းပေါ် မူတည်၍ လစဉ်မြေငှားရမ်းခ (သို့မဟုတ်) မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင် ဥပဒေအရ ခိုင်ကြေး (Royalty Fees)ကို ပေးဆောင်ရန် လိုအပ်မည် ဖြစ်ပါသည်။

၃။ အဆိုပါ ရေနံဓါတ်ငွေ့ရည် တင်/ချဆိပ်ကမ်း ဆောက်လုပ်ရန် စီမံကိန်းအဆိုပြုချက်နှင့် ပတ်သက်၍ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှ ခွင့်ပြုချက်ရရှိပါက မြေပြင်ဧရိယာ ငှားရမ်းခြင်းအား မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်နှင့် ညှိနှိုင်းဆွေးနွေး၍ လုပ်ထုံးလုပ်နည်းနှင့်အညီ ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ သဘောထားမှတ်ချက် ရယူပြီး မြေငှားစာချုပ် ချုပ်ဆိုဆောင်ရွက်ခြင်း ကိစ္စရပ်ကို ဆောင်ရွက်ရမည် ဖြစ်ပါသည်။

၄။ သို့ဖြစ်ပါ၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြား ရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. တည်ထောင်ပြီး ရေနံဓါတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓါတုဗေဒ ဓါတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူး ရောင်းချခြင်းလုပ်ငန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု ဥပဒေနှင့်အညီ ဆောင်ရွက်ခွင့်ပြုရန် တင်ပြထားသည့် စီမံကိန်းနှင့် ပတ်သက်၍ အထက်အပိုဒ်(၂)နှင့် (၃) တွင် ဖော်ပြထားသည့်အတိုင်း လုပ်ထုံးလုပ်နည်းနှင့်အညီ ညှိနှိုင်းဆောင်ရွက်မည်ဆိုပါက ပို့ဆောင်ရေးဝန်ကြီးဌာနအနေဖြင့် ကန့်ကွက်ရန်မရှိပါကြောင်း သဘောထားမှတ်ချက် ပြန်ကြားအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
ဝင်းခန့် - အမြဲတမ်းအတွင်းဝန်

မိတ္တူကို -

- စွမ်းအင်ဝန်ကြီးဌာန
- မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်
- Asia AVA Gas Co.,Ltd.

မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်း
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နောက်ဆက်တွဲ (ဃ)

သို့

ဥက္ကဋ္ဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

စာအမှတ် ၊ မအသ / MIC / ၀၂၁၃ / ၂၀၁၆။
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ၊ (၅) ရက်။

အကြောင်းအရာ။ **Asia AVA Gas Co., Ltd ၏ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ရန်ကိစ္စ။**

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ရည်ညွှန်းချက်။ ။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီ (၂၃)ရက် နေ့စွဲပါ စာအမှတ် ရက-၅(စ)/၀၁၄/၂၀၁၆(၀၈၁)။

၁။ အထက်ဖော်ပြပါ အကြောင်းအရာကိစ္စနှင့် စပ်လျဉ်း၍ မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်းသို့ သက်ဆိုင်ရာ Asia AVA Gas Co., Ltd မှ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၂၃)ရက်စွဲဖြင့် ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ် -(၆၇၂၊ ၆၇၅-က)၊ ဦးပိုင်အမှတ်-(၁၁+၁၂+၁၃+၁၄+၁၅/၂)ရှိ စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧကတွင် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း ဆောက်ရွက်ရန် အဆောက်အဦနှင့် ပတ်သက်သော ပုံစံများနှင့် အသေးစိတ်ဇယားများကို လိုအပ်သော လမ်းညွှန်ချက်များ ပေးပါရန် တင်ပြခဲ့ပါသည်။

၂။ မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်းတွင် ဖွဲ့စည်းထားသော MIC Projects Assessment Committee မှ ထူးခြားသော လုပ်ငန်းစီမံကိန်း တစ်ခုဖြစ်သဖြင့် ယင်းကိစ္စနှင့် ပတ်သက်၍ သေချာစွာ စိစစ်နိုင်ရန် ဖိတ်ကြားချက်အရ Asia AVA Gas Co., Ltd မှ တာဝန်ရှိသူများ ဖြစ်ကြသော Mr. Amin Shahan ၊ Mr. Thanapong Yol Are နှင့် ဦးထူးထူးအောင်တို့သည် (၃.၃.၂၀၁၆)ရက်နေ့တွင် မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်းသို့ လာရောက်၍ စီမံကိန်းနှင့် ပတ်သက်သော အချက်အလက်များကို ရှင်းလင်းတင်ပြခဲ့ပါသည်။

၃။ မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်းမှ MIC Projects Assessment Committee အဖွဲ့ဝင်များ ဖြစ်ကြသော ဥက္ကဋ္ဌ ဦးဝင်းနိုင်၊ အတွင်းရေးမှူး ဦးကြည်လွင်၊ အဖွဲ့ဝင်များ ဖြစ်ကြသော ဦးကျော်စန်ဝင်း၊ ဦးကိုကိုကြီး နှင့် ဦးခင်မောင်ဝင်းတို့ တက်ရောက်ခဲ့ကြပါသည်။ ထို့အပြင် ကျွမ်းကျင်ပညာရှင်များ အဖြစ် ဖိတ်ကြားထားသော ဦးစိန်ဝင်း(ဦးဆောင်ညွှန်ကြားရေးမှူး (ငြိမ်း) MPE) နှင့် ဦးလှဝင်း(MPE Engineer (ငြိမ်း))တို့လည်း တက်ရောက်ခဲ့ကြပြီး သိလိုသည်များကို မေးမြန်းဆွေးနွေးကြပါသည်။

၄။ ထိုသို့ ရှင်းလင်းမှုများအပြီးတွင် မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်းမှ စီမံကိန်းအကောင်အထည်ဖော်ရေးနှင့် ပတ်သက်၍ အောက်ပါအချက်များကို အကြံပြုအပ်ပါသည်။

(က) Jetty သို့ ဖြလက်မ ပိုက် ၂ လိုင်းသာ ဆွဲထားပြီး တစ်လိုင်းမှာ Loading ပိုက်လိုင်းဖြစ်၍ ကျန်တစ်လိုင်းမှာ ပြည်ပ နှင့် ပြည်တွင်းသို့ ဖြန့်ဖြူးခြင်း ပြုမည်မဟုတ်၍ Off Loading ပိုက်လိုင်းမဟုတ်ဘဲ Vapor Return ပိုက်လိုင်းသာ ဖြစ်ပါသည်။

(ခ) LPG Terminal နှင့် Jetty အတွက် မီးဘေးအန္တရာယ်လုံခြုံရေးအတွက် NFPA Code ကို လိုက်နာပြီး Fire Fighting System ကို အသေးစိတ် သီးခြားစီမံထားရန်။

(ဂ) Jetty အတွက် မီးငြိမ်းသတ်ရန်အတွက် ထည့်သွင်းရန်။

(ဃ) Gas Detection System အား လိုအပ်သည့် နေရာများတွင် ထည့်သွင်းရန်။

(င) Jetty တည်ဆောက်ရေးနှင့် စပ်လျဉ်း၍ မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်အဖွဲ့မှ စိစစ်ထားသော Structure Design နှင့် ရေလမ်းနှင့် ပတ်သတ်သော Hydrological Survey များဆောင်ရွက်ရန် လိုအပ်ပါသည်။

မှတ်ချက်။ ။(၁) ယခုတင်ပြသော စီမံကိန်းစိစစ်ရာတွင် တင်ပြသောပုံစံ၊ ဒီဇိုင်းများသည် အမှန်တကယ်အသေးစိတ် တည်ဆောက်မည့်ပုံစံ၊ ဒီဇိုင်းများနှင့် ကွဲလွဲမှုရှိမည်ဆိုပါက ယခုတွက်ချက်ထားသောပစ္စည်းအရေအတွက်များမှာ အမှန်တကယ်သုံးစွဲမည့် အရေအတွက်နှင့် ကွာခြားနိုင်ပါသည်။ သို့အတွက် လိုအပ်ပါက Detail Drawings မှ တွက်ချက်ထားသော Detail Estimate ရရှိပြီးသည့်အခါတွင် ပြန်လည်စိစစ်မှုများဆောင်ရွက်ရန် လိုအပ်ပါသည်။ (Subject to Check)

(၂) သက်ဆိုင်ရာမီးသတ်ဦးစီးဌာနမှချမှတ်ထားသော လမ်းညွှန်ချက်များအတိုင်းလိုက်နာဆောင်ရွက်မည်ဆိုပါက ကန့်ကွက်ရန်မရှိပါကြောင်း တင်ပြအပ်ပါသည်။

လေးစားစွာဖြင့်

(ဝင်းခိုင်)

ဥက္ကဋ္ဌ

မြန်မာနိုင်ငံအင်ဂျင်နီယာအသင်း

မိတ္တူကို – Managing Director, Asia AVA Gas Co., Ltd

– ညွှန်ကြားရေးမှူးချုပ်၊ ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန

– အတွင်းရေးမှူး၊ MIC Projects Assessment Committee

– ရုံးလက်ခံ / မျှောစာတွဲ

MIC Projects Assessment Committee
Myanmar Engineering Society

2/2

M4-275
21.3.16

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စွမ်းအင်ဝန်ကြီးဌာန
(ဝန်ကြီးရုံး)

21/3/16

စာအမှတ်၊မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁(၂၀၇/၂၀၁၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ ၂၁ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **သဘောထားမှတ်ချက်တောင်းခံခြင်း**

ရည်ညွှန်းချက်။ (၁) ဤရုံး၏၂၂-၁-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ ၀၁ (၆၆/၂၀၁၆)

(၂) ယင်းကော်မရှင်၏၂၃-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ ရကာ-၅(စ)/န-၀၁၄/၂၀၁၆ (၀၈၂)

(၃) Ava Kahyasi Investments Pte. Ltd. ၏ ၁၇-၃-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ ၄/၂၀၁၆

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းမှ ၃.၅%၊ စင်္ကာပူနိုင်ငံ Ava Kahyasi Investments Pte. Ltd. မှ ၇၆.၅%၊ မြန်မာနိုင်ငံ Same Sky Construction Company Limited မှ ၁၀% နှင့် Guiding Star Group Limited မှ ၁၀% ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Asia AVA Gas Co., Ltd. ကို တည်ထောင်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု၊ ကွင်းအမှတ်-(၆၇၂၆၇၅က) ၊ ဦးပိုင်အမှတ်-(၁၁+၁၂+၁၃+၁၄+၁၅/၂) ရှိ စုစုပေါင်းမြေဧရိယာ ၃၁.၇၈ ဧကတွင် ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် တင်ချဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီ ဆောင်ရွက်ခွင့်ပြုပါရန် ရည်ညွှန်း(၁)ပါစာဖြင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့ တင်ပြခဲ့ပါသည်။

၂။ ထိုသို့ အဆိုပြုချက်တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ရက်နေ့တွင် ကျင်းပခဲ့သည့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၊ အဆိုပြုချက်စိစစ်ရေးအဖွဲ့၏ (၇/၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာ ဆုံးဖြတ်ချက် အမှတ်(ခ) အရ ပိုက်လိုင်းဖြတ်သန်းမည့် မြေနေရာအတွက် မြေပုံငှားစာချုပ်(မူကြမ်း) တင်ပြရန် အကြောင်းကြားလာပါသည်။

၃။ အဆိုပါဆုံးဖြတ်ချက်နှင့် ပတ်သက်၍ အဆိုပြုစီမံကိန်းတွင် အကောင်အထည်ဖော်မှု အဖြစ်ဆောင်ရွက်မည့် Ava Kahyasi Investments Pte. Ltd. မှ ရည်ညွှန်းပါစာဖြင့် အောက်ပါအတိုင်း တင်ပြလာပါသည်-

(က) အဆိုပြုတင်ပြထားသော ပိုက်လိုင်းမှာ အချင်း ၆လက်မရှိသော သံမဏိ ပိုက်လိုင်း (၂) ခု တစ်ပေါင်းတည်းဖြစ်၍ မြေအောက် ၅မီတာ အနက်မှ ဖြတ်သန်းသွားမည်ဖြစ်ပါကြောင်း၊

(ခ) ထိုသို့ ပိုက်လိုင်းသွယ်တန်းရာတွင် မြေအောက်မှ Horizontal Directional Drilling နည်းပညာအသုံးပြု၍ သွယ်တန်းမည်ဖြစ်ပြီး အရှည်မီတာ ၆၀၀ခန့် အကွာအဝေးအား ဖြတ်သန်းသွားမည် ဖြစ်ပါကြောင်း၊

(ဂ) Horizontal Directional Drilling နည်းပညာအရ မြေကျင်းတူးဖော်ရန် မလိုအပ်ပဲ အထူးမြေတူးကိရိယာဖြင့် မြေအောက်မှသာ တူးဖော်မည် ဖြစ်ပါသဖြင့် မြေမျက်နှာပြင်အား တစ်စုံတစ်ရာ သက်ရောက်မှုမရှိပဲ ပိုက်လိုင်း ဖြတ်သန်းသွားလာမည့် မြေဧရိယာအတွင်းရှိ လက်ရှိလယ်ယာမြေနှင့် အခြား မြေအသုံးချမှုများအပေါ် အကျိုးသက်ရောက်မှုရှိမည် မဟုတ်ပါကြောင်း၊

(ဃ) ထိုသို့ ပိုက်လိုင်းသွယ်တန်းရာတွင် မြေအောက်မှ ဖြတ်သန်းသွားလာခွင့်အတွက် လည်းကောင်း၊ မျှော်လင့်မထားသော သီးနှံ ဆုံးရှုံးမှုအတွက် လိုအပ်သော သီးနှံလျော်ကြေးပေးချေရန် အတွက်လည်းကောင်း၊ သဘောတူညီမှုရရှိထားပြီး ဖြစ်ပါကြောင်း နှင့်လိုအပ်ပါက ချုပ်ဆိုနိုင်ရန် အဆိုပါသဘောတူစာချုပ်မူကြမ်း ပြုစုထားပြီးဖြစ်ပါကြောင်း

၄။ သို့ဖြစ်ပါ၍ Asia AVA Gas Company Limited အနေဖြင့် မြန်မာနိုင်ငံ ရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှ ခွင့်ပြုမိန့် ရရှိပြီးပါက အထက်ဖော်ပြပါ လုပ်ငန်းစဉ်များအား တည်ဆဲဥပဒေ၊ နည်းဥပဒေ၊ လုပ်ထုံးလုပ်နည်းများနှင့်အညီ ဆောင်ရွက်သွားရန် ဤဝန်ကြီးဌာနမှ ကြီးကြပ်လမ်းညွှန်သွားမည်ဖြစ်ပါကြောင်း တင်ပြအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဖေဖေဝင်းထွန်း၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို

ဦးဆောင်ညွှန်ကြားရေးမှူး၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း

Easement, Right of Way and Crop Compensation Agreement

This Agreement is entered by and between ____________________________, with an address at _______________________________________ ("Farmer") and Asia Ava Gas Company Limited a company incorporated under the laws of Myanmar with its registered office located at _________ ("Company").

1. The Company intends to lay a pipeline at a depth of 5 meters beneath the surface of the land, which is being used for agricultural cultivation of crops by the Farmer.

2. The Farmer has accepted that the company has provided specific explanation of the process through which the pipeline will be laid using Horizontal Directional Drilling in a process that will require no access to or disruption the land which the farmer is permitted to cultivate either during the construction of the pipeline or the operation of the plant.

3. The Farmer hereby confirms that they are fully satisfied with the provisions provided by the Company with respect to compensation and other warranties to ensure the Farmer that they will be adequately compensated should there be any disruption or damaged caused by the pipeline either during the pipe laying phase or the operation of the plant.

4. In light of the understanding reached between the Farmer and the Company, the Company hereby shall pay a one-off sum of 10 USD per meter of land through which the pipeline traverses as consideration for the consent provided by the Farmer in granting Right of Way for the pipeline laying and use during the life of the plant.

5. This agreement shall be governed and construed according to the Laws of the Republic of the Union of Myanmar.

In Witness the Farmer and the Company have executed this agreement on this ___ day of _______.

Signed

....

Asia Ava Gas Company

....

The Farmer

ASIA AVA GAS COMPANY LIMITED

83 DAMAZEDI ROAD, SANCHAUNG TOWNSHIP,
YANGON, MYANMAR, 11111
TEL : +9595058916 FAX: +9512304237
EMAIL : hha@avagasco.com

သို့

ဥက္ကဋ္ဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်
အမှတ်(၁)၊သစ္စာလမ်း၊ရန်ကင်းမြို့ နယ်၊
ရန်ကုန်မြို့ ။

အကြောင်းအရာ။	။ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် **Asia AVA Gas Co.,Ltd.** မှ ရေနံဓာတ်ငွေ့ ရည်သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ ရည်တင်သွင်း၊သိုလှောင်၊ဖြန့် ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်းဆောင်ရွက်ခွင့်ပြုပါရန်အဆိုပြုတင်ပြခြင်းကိစ္စ။
ရည်ညွှန်းချက်။	။(၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၂-၁-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ် / ၀၁(၆၆/၂၀၁၆)။ (၂) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၂၃- ၂-၂၀၁၆ ရက်စွဲပါစာအမှတ် -ရက-၅(စ)/ န-၀၁၄/၂၀၁၆(၀၈၂) (၃) AVA Kahyasi Investment Pte.Ltd၏ ၁၇-၃-၂၀၁၆ ရက်စွဲပါစာအမှတ် ၄/၂၀၁၆

၁။ **Asia AVA Gas Co.,Ltd** ၏ ရည်ညွှန်းချက် (၁)ပါစာဖြင့် စွမ်းအင်ဝန်ကြီးဌာနမှတဆင့် အဆိုပြုချက် တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ့ တွင်ကျင်းပသည့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့ (၇/ ၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာအောက်ပါအတိုင်းဆုံးဖြတ်ခဲ့ပါသည်။

(က) လုပ်ငန်းဆောင်ရွက်ရန်အတွက် ပြည်ထောင်စုအစိုးရအဖွဲ့ ၏ခွင့်ပြုချက်တင်ပြရန်။

(ခ) ပိုက်လိုင်းဖြတ်သန်းမည့်မြေနေရာအတွက် မြေငှားစာချုပ် (မူကြမ်း)တင်ပြရန်။

(ဂ) ပြည်ပမှတင်သွင်းမည့်ပစ္စည်းစာရင်းပြည့်စုံစွာတင်ပြရန်။

(ဃ) ဆိပ်ခံတံတားဆောက်လုပ်ရန်အတွက် မြန်မာ့ ဆိပ်ကမ်းအာဏာပိုင်နှင့် အသေးစိတ် ညှိနှိုင်းဆောင်ရွက်ပြီးတင်ပြခွင့်ပြုချက် ရယူရန်။

သို့ပါ၍ အထက်ပါအစည်းအဝေးဆုံးဖြတ်ချက် အမှတ် (ခ) နှင့်အညီလိုက်နာဆောင်ရွက်ရန် စီမံကိန်း၏ အကောင်အထည်ဖော်ဆောင်ရွက်သူအဖြစ် တာဝန်ယူမည့် AVA Kahyasi Investment Pte.Ltdသို့ အသိပေးအကြောင်းကြားခဲ့ ရာ ရည်ညွှန်းချက် (၃) ပါစာဖြင့် အောက်ပါအတိုင်းအကြောင်း ပြန်ကြားလာပါသည်။

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(က) Asia AVA Gas Companyသည် စီမံကိန်းဧရိယာရှိရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည်တင်ချဆိပ်ကမ်းအကြားတွင်အရှည်မီတာ၆၀၀လုံးပတ် ၆လက်မ ရှိသော သံမဏိပိုက်လိုင်း၂ ခုအားပူးတွဲ ၍ သွယ် တန်းမည်ဖြစ်ကြောင်း။

(ခ) ပိုက်လိုင်းတစ်ခုမှာရေနံဓာတ်ငွေ့ရည်သယ်ပို့ရန်ဖြစ်ပြီး၊ အခြားတစ်ခုမှာဖိအားထိန်းညှိရန်ရေငွေ့ပြန်လည်ထုတ်လွှတ်မည့် Vapor Return Line ဖြစ်ကြောင်း ။
(ဂ) အဆိုပါပိုက်လိုင်းအားသွယ်တန်းရာတွင် Horizontal Directional Drillingနည်းပညာအသုံးပြုပြီးမြေသားတူးဖော်ခြင်းမပြုဘဲသတ်မှတ်ထားသောလမ်းအကြောင်းအတိုင်းအထူးအဆင့်မြင့် စက်ကိရိယာအသုံးပြု၍ မြေအောက်မှသာတိုက်ရိုက်တူးဖော်မည်ဖြစ်ပြီးမြေမျက်နှာသွင်ပြင်အားထိခိုက်ခြင်းပျက်စီးစေခြင်းမရှိဘဲမြေအောက် ၅မီတာ အနက်မှသွယ်တန်းသွားမည်ဖြစ်ပါသည်။ထိုသို့ ပိုက်လိုင်းသွယ်တန်းသွားမည့်လမ်းအကြောင်းအားပူးတွဲပါဂြိုဟ်တုမြေပုံဖြင့်တင်ပြထားပါကြောင်း။
(ဃ) Horizontal Directional Drillingနည်းပညာသည်မြေအောက်မှသာတိုက်ရိုက်တူးဖော်ခြင်းဖြစ်သဖြင့် မြေပြင်ပေါ်ရှိလမ်း နှင့် လယ်ယာစိုက်ပျိုးမြေများအားထိခိုက်ခြင်းမရှိဘဲပါတ်ဝန်းကျင်ထိခိုက်မှု နှင့် လူမှု စီးပွါးထိခိုက်မှု မရှိနိုင်ကြောင်း။
(င) ပိုက်လိုင်းဖြတ်သန်းသွားလာမည့်မြေကွက်များမှာကျောင်းကုန်းအနောက်ကွင်းဗိုလ်ချုပ်ကျေးရွာ၊သန်လျင်မြို့ ကွင်းအမှတ် ၆၇၂ ၊ ၆၇၅-ခ အတွင်းရှိဦးနီတွတ်မှ လယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသောဦးပိုင်အမှတ် ၂၃ ၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့်ရရှိထားသောဦးပိုင်အမှတ် ၂၄၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့်ရရှိထားသောဦးပိုင်အမှတ် ၇ တို့ ဖြစ်ကြောင်း။
(စ) Asia AVA Gas Co.,Ltd.အနေဖြင့် စီမံကိန်းဧရိယာအနီးရှိဒေသခံလူမှုအဖွဲ့အစည်းများနှင့် ဆွေးနွေးတိုင်ပင်မှုများပြုလုပ်ပြီးပြီဖြစ်ပြီးပိုက်လိုင်းဖြတ်သန်းသွားလာမည့် လမ်းအကြောင်းပေါ်ရှိလယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသောလယ်သမားများနှင့် လည်းအသေးစိတ်ဆွေးနွေးခဲ့ပါကြောင်း။
(ဆ) Asia AVA Gas Co.,Ltd. အနေဖြင့် မြေအောက်မှ ပိုက်လိုင်းဖြတ်သန်းသွယ်တန်းရာလမ်းအကြောင်းတစ်လျှောက်တွင် မြေမျက်နှာသွင်ပြင်ထိခိုက်ပျက်စီးမှု တစ်စုံတစ်ရာဖြစ်ပေါ် ခဲ့လျှင်သော်လည်းကောင်းလယ်ယာမြေလုပ်ကိုင်မှုအားတစ်စုံတစ်ရာအနှောက်အယှက်ဖြစ်ခဲ့လျှင်သော်လည်းကောင်း ဖြေရှင်းပေးနိုင်ရန် ဖြတ်သန်းသွားလာခွင့်နှင့်သီးနှံလျော်ကြေးသဘောတူညီချက်အားတည်ဆဲဥပဒေများနှင့်အညီ ချုပ်ဆိုနိုင်ရန် ကြိုတင်ညှိနှိုင်း၍ မူကြမ်းပြင်ဆင်ထားပြီးဖြစ်ကြောင်းသဘောတူညီချက်မူကြမ်း(Easement Right of Way and Crop Compensation Agreement Draft) နှင့်တကွ အသိပေးအကြောင်းကြားလာပါသဖြင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှသုံးသပ်လမ်းညွှန်ပေးနိုင်ပါရန်လေးစားစွာတင်ပြအပ်ပါသည်။

ASIA AVA GAS COMPANY LIMITED

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ဦးထူးထူးအောင်။
အမှုဆောင်ဒါရိုက်တာ။
Asia AVA Gas Co.,Ltd.

AVA KAHYASI INVESTMENTS PTE LTD

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www.avagasco.com

Mk-25T
17.3.16

Ministers Office
Ministry of Energy
Office Number 6, Naypyitaw
Myanmar

17th March 2016
Ref: 4/2016

Dear Sir,

Re: Pipeline from Jetty to Storage and Distribution Facilities

I am writing in my capacity as Managing Director of Ava Kahyasi Investments Pte. Ltd. as the operator of Joint Venture Company, Asia Ava Gas Company Limited to provide the following undertakings:

1. Asia Ava Gas Company intends to lay a 600-meter pipeline consisting of 2 six inch steel pipes, one to transport Liquefied Petroleum Gas from the unloading arm of the jetty to the storage and the distribution facilities and the other a vapor return line.

   The pipelines shall be laid using **Horizontal Directional Drilling**, a trenchless method for installing piping using a predetermined path and highly specialized equipment which will result in no surface disruption or intrusion either during the construction or the operational phase as the pipeline will be laid at a depth **5 meters underground**.

   The route of the subterranean pipeline is shown the appended satellite image.

   Horizontal Directional Drilling causes no impact to the land through which the pipeline is laid so that there will be disruption to land use such as roads and farming activity, either during the construction or operational phases (as opposed to pipelines laid over ground or via traditional trenching techniques) and will reduce any social and or environmental impact of the pipeline

2. Notwithstanding the above Asia Ava Gas Company undertakes to carry out extensive consultations with all communities within the vicinity of the plant at all stages and has also discussed with the

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existing farmers through whose land plots the underground pipeline will traverse underground.

Asia Ava Gas has agreed an Easement, Right of Way and Crop Compensation Agreement in light of any damage or disruption which may be caused along the route of the subterranean pipeline both during the construction and operation phases and has attached this agreement draft to this letter to reassure existing farmers should such legal documentation be required by law.

We trust that the information we have provided herein and enclosed shall satisfy the information requested during the PAT meeting 7/2016 on the 16th February 2016.

Yours Sincerely,

Amir Shahran
Managing Director
For and on behalf of Asia Ava Gas Company Limited

Copy To: Ministry of Energy
Managing Director, Myanma Petrochemical Enterprise

AVA
AVA GAS COMPANY

Easement, Right of Way and Crop Compensation Agreement

This Agreement is entered by and between ______________________________, with an address at ____ ("Farmer") and Asia Ava Gas Company Limited a company incorporated under the laws of Myanmar with its registered office located at __________ ("Company").

1. The Company intends to lay a pipeline at a depth of 5 meters beneath the surface of the land, which is being used for agricultural cultivation of crops by the Farmer.

2. The Farmer has accepted that the company has provided specific explanation of the process through which the pipeline will be laid using Horizontal Directional Drilling in a process that will require no access to or disruption the land which the farmer is permitted to cultivate either during the construction of the pipeline or the operation of the plant.

3. The Farmer hereby confirms that they are fully satisfied with the provisions provided by the Company with respect to compensation and other warranties to ensure the Farmer that they will be adequately compensated should there be any disruption or damaged caused by the pipeline either during the pipe laying phase or the operation of the plant.

4. In light of the understanding reached between the Farmer and the Company, the Company hereby shall pay a one-off sum of 10 USD per meter of land through which the pipeline traverses as consideration for the consent provided by the Farmer in granting Right of Way for the pipeline laying and use during the life of the plant.

5. This agreement shall be governed and construed according to the Laws of the Republic of the Union of Myanmar.

In Witness the Farmer and the Company have executed this agreement on this ___ day of ________.

Signed

....

Asia Ava Gas Company

....

The Farmer

Easement, Right of Way and Crop Compensation Agreement

This Agreement is entered by and between ______________________, with an address at ______________ ______________________ ("Farmer") and Asia Ava Gas Company Limited a company incorporated under the laws of Myanmar with its registered office located at __________ ("Company").

1. The Company intends to lay a pipeline at a depth of 5 meters beneath the surface of the land, which is being used for agricultural cultivation of crops by the Farmer.

2. The Farmer has accepted that the company has provided specific explanation of the process through which the pipeline will be laid using Horizontal Directional Drilling in a process that will require no access to or disruption the land which the farmer is permitted to cultivate either during the construction of the pipeline or the operation of the plant.

3. The Farmer hereby confirms that they are fully satisfied with the provisions provided by the Company with respect to compensation and other warranties to ensure the Farmer that they will be adequately compensated should there be any disruption or damaged caused by the pipeline either during the pipe laying phase or the operation of the plant.

4. In light of the understanding reached between the Farmer and the Company, the Company hereby shall pay a one-off sum of 10 USD per meter of land through which the pipeline traverses as consideration for the consent provided by the Farmer in granting Right of Way for the pipeline laying and use during the life of the plant.

5. This agreement shall be governed and construed according to the Laws of the Republic of the Union of Myanmar.

In Witness the Farmer and the Company have executed this agreement on this ___ day of ________.

Signed

....

Asia Ava Gas Company

....

The Farmer

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သို့

ဥက္ကဋ္ဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်
အမှတ်(၁)၊သစ္စာလမ်း၊ရန်ကင်းမြို့နယ်၊
ရန်ကုန်မြို့။

အကြောင်းအရာ။ ။ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် **Asia AVA Gas Co.,Ltd.** မှ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊သိုလှောင်၊ဖြန့်ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြခြင်းကိစ္စ။

ရည်ညွှန်းချက်။ ။(၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၂-၁-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ- လုပ်ငန်းစစ် / ဝ၁(၆၆/၂၀၁၆)။

၁။ **Asia AVA Gas Co.,Ltd** ၏ ရည်ညွှန်းချက် (၁)ပါစာဖြင့် စွမ်းအင်ဝန်ကြီးဌာနမှတဆင့် အဆိုပြုချက် တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ့တွင်ကျင်းပသည့် မြန်မာနိုင်ငံ ရင်းနှီးမြှုပ်နှံမှု ကော်မရှင် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့ (၇/ ၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာ အဆိုပြုချက်စိစစ်ရေးအဖွဲ့၏ မြေအသုံးချမှုနှင့် ပတ်သက်၍ ရှင်းလင်းတင်ပြရန် ညွှန်ကြားချက်အရ **Asia AVA Gas Co.,Ltd** သည် ရန်ကုန်တိုင်းဒေသကြီး ၊ သန်လျင်မြို့နယ် ၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု ၊ ကွင်းအမှတ် ၆၇၅ (က) နှင့် ၆၇၂ ရှိ အကွက်အမှတ် (၁၁၊၁၂၊၁၃၊၁၄၊၁၅/၂) ရှိ လယ်ယာမြေအား အခြားနည်းဖြင့် အသုံးပြုခွင့် ဖြစ်သည့် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်ကန်နှင့် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူး၊ ရောင်းချသည့်လုပ်ငန်းလုပ်ကိုင်ခွင့် ရရှိပြီးသည့် မြေဧက စုစုပေါင်း (၄၂.၂၃) အနက်မှ ပထမ (၃) နှစ်အတွင်း (၃၁.၇၈) ဧက အားစတင်ငှားရမ်း အသုံးပြုမည်ဖြစ်ပြီး တည်ဆောက်ရေးကာလပြီးဆုံးသည့် စတုတ္ထနှစ်မှစ၍ ကျန်ရှိမြေဧက (၁၀.၄၅) ဧကအား ထပ်မံငှားရမ်း အသုံးပြုသွားမည် ဖြစ်ကြောင်း မြန်မာနိုင်ငံ ရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်မှသုံးသပ် လမ်းညွှန်ပေးနိုင်ပါရန် လေးစားစွာ တင်ပြအပ်ပါသည်။

ဦးထူးထူးအောင်။
အမှုဆောင်ဒါရိုက်တာ။
Asia AVA Gas Co.,Ltd.

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သို့

ဥက္ကဋ္ဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်
အမှတ်(၁)၊သစ္စာလမ်း၊ရန်ကင်းမြို့နယ်၊
ရန်ကုန်မြို့။

အကြောင်းအရာ။ ။ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် **Asia AVA Gas Co.,Ltd.** မှ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊သိုလှောင်၊ဖြန့်ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြခြင်းကိစ္စ။

ရည်ညွှန်းချက်။ ။(၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၂-၁-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ- လုပ်ငန်းစစ် / ၀၁(၆၆/၂၀၁၆)။
(၂) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၂၃- ၂-၂၀၁၆ ရက်စွဲပါစာအမှတ် -ရက-၅(စ)/ န-၀၁၄/၂၀၁၆(၀၈၂)
(၃) AVA Kahyasi Investment Pte.Ltd ၏ ၁၇-၃-၂၀၁၆ ရက်စွဲပါ စာအမှတ် ၄/၂၀၁၆

၁။ **Asia AVA Gas Co.,Ltd** ၏ ရည်ညွှန်းချက် (၁)ပါစာဖြင့် စွမ်းအင်ဝန်ကြီးဌာနမှတဆင့် အဆိုပြုချက်တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ့တွင်ကျင်းပသည့် မြန်မာနိုင်ငံ ရင်နှီးမြှုပ်နှံမှု ကော်မရှင် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့ (၇/ ၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာ အောက်ပါအတိုင်း ဆုံးဖြတ်ခဲ့ပါသည်။

(က) လုပ်ငန်းဆောင်ရွက်ရန်အတွက် ပြည်ထောင်စုအစိုးရအဖွဲ့၏ခွင့်ပြုချက်တင်ပြရန်။
(ခ) ပိုက်လိုင်းဖြတ်သန်းမည့်မြေနေရာအတွက် မြေငှားစာချုပ် (မူကြမ်း)တင်ပြရန်။
(ဂ) ပြည်ပမှတင်သွင်းမည့်ပစ္စည်းစာရင်းပြည့်စုံစွာ တင်ပြရန်။
(ဃ) ဆိပ်ခံတံတားဆောက်လုပ်ရန်အတွက် မြန်မာ့ ဆိပ်ကမ်းအာဏာပိုင်နှင့် အသေးစိတ် ညှိနှိုင်း ဆောင်ရွက်ပြီး တင်ပြခွင့်ပြုချက် ရယူရန်။

သို့ပါ၍ အထက်ပါအစည်းအဝေးဆုံးဖြတ်ချက် အမှတ် (ခ) နှင့်အညီ လိုက်နာဆောင်ရွက်ရန် စီမံကိန်း၏ အကောင်အထည်ဖော်ဆောင်ရွက်သူအဖြစ် တာဝန်ယူမည့် AVA Kahyasi Investment Pte.Ltd သို့ အသိပေးအကြောင်းကြားခဲ့ ရာ ရည်ညွှန်းချက် (၃) ပါစာဖြင့် အောက်ပါအတိုင်း အကြောင်း ပြန်ကြားလာပါသည်။

(က) Asia AVA Gas Company သည် စီမံကိန်း ဧရိယာ ရှိရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည်တင်ချဆိပ်ကမ်း အကြား တွင်အရှည်မီတာ ၆၀၀ လုံးပတ် ၆လက္မ ရှိသော သံမဏိပိုက်လိုင်း၂ ခုအား ပူးတွဲ ၍ သွယ် တန်းမည်ဖြစ်ကြောင်း။

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(ခ) ပိုက်လိုင်းတစ်ခုမှာ ရေနံဓာတ်ငွေ့ ရည်သယ်ပို့ရန်ဖြစ်ပြီး၊ အခြားတစ်ခုမှာ ဖိအား ထိန်းညှိရန် ရေငွေ့ ပြန်လည် ထုတ်လွှတ်မည့် Vapor Return Line ဖြစ်ကြောင်း ။

(ဂ) အဆိုပါပိုက်လိုင်းအား သွယ်တန်းရာတွင် Horizontal Directional Drilling နည်းပညာအသုံးပြုပြီး မြေသားတူးဖော်ခြင်းမပြုဘဲ သတ်မှတ်ထားသော လမ်းအူကြောင်းအတိုင်း အထူးအဆင့်မြင့် စက်ကိရိယာ အသုံးပြု၍ မြေအောက်မှသာ တိုက်ရိုက်တူးဖော်မည်ဖြစ်ပြီး မြေမျက်နှာသွင်ပြင်အား ထိခိုက်ခြင်း ပျက်စီးစေခြင်း မရှိဘဲ မြေအောက် ၅မီတာ အနက်မှသွယ်တန်းသွားမည်ဖြစ်ပါသည်။ ထိုသို့ ပိုက်လိုင်းသွယ်တန်း သွားမည့် လမ်းအူကြောင်းအား ပူးတွဲပါ ဂြိုဟ်တုမြေပုံဖြင့်တင်ပြထားပါကြောင်း။

(ဃ) Horizontal Directional Drilling နည်းပညာသည်မြေအောက်မှသာ တိုက်ရိုက်တူးဖော်ခြင်းဖြစ်သဖြင့် မြေပြင်ပေါ်ရှိလမ်း နှင့် လယ်ယာစိုက်ပျိုးမြေများအား ထိခိုက်ခြင်းမရှိဘဲ ပါတ်ဝန်းကျင်ထိခိုက်မှု နှင့် လူမှု စီးပွါးထိခိုက်မှု မရှိနိုင်ကြောင်း။

(င) ပိုက်လိုင်းဖြတ်သန်းသွားလာမည့်မြေကွက်များမှာ ကျောင်းကုန်း အနောက်ကွင်း ဗိုလ်ချုပ်ကျေးရွာ၊သန်လျင်မြို့ ကွင်းအမှတ် ၆၇၂ ၊ ၆၇၅-ခ အတွင်းရှိ ဦးနီတွတ်မှ လယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသော ဦးပိုင်အမှတ် ၂၃ ၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့်ရရှိထားသော ဦးပိုင်အမှတ် ၂၄၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသော ဦးပိုင်အမှတ် ၇ တို့ဖြစ်ကြောင်း။

(စ) Asia AVA Gas Co.,Ltd. အနေဖြင့် စီမံကိန်းဧရိယာအနီးရှိ ဒေသခံ လူမှုအဖွဲ့အစည်းများနှင့် ဆွေးနွေး ၊ တိုင်ပင်မှုများ ပြုလုပ်ပြီးပြီဖြစ်ပြီး ပိုက်လိုင်းဖြတ်သန်းသွားလာမည့် လမ်းအူကြောင်းပေါ်ရှိ လယ်ယာ လုပ်ပိုင်ခွင့် ရရှိထားသော လယ်သမားများနှင့် လည်းအသေးစိတ်ဆွေးနွေးခဲ့ပါကြောင်း။

(ဆ) Asia AVA Gas Co.,Ltd. အနေဖြင့် မြေအောက်မှ ပိုက်လိုင်းဖြတ်သန်းသွယ်တန်းရာ လမ်းအူကြောင်းတစ်လျှောက်တွင် မြေမျက်နှာသွင်ပြင်ထိခိုက်ပျက်စီးမှု တစ်စုံတစ်ရာဖြစ်ပေါ် ခဲ့လျှင် သော် လည်းကောင်း လယ်ယာမြေလုပ်ကိုင်မှုအားတစ်စုံတစ်ရာအနှောက်အယှက်ဖြစ်ခဲ့လျှင်သော်လည်းကောင်း ဖြေရှင်း ပေးနိုင်ရန် ဖြတ်သန်းသွားလာခွင့်နှင့်သီးနှံလျော်ကြေး သဘောတူညီချက်အား တည်ဆဲဥပဒေများနှင့်အညီ ချုပ်ဆိုနိုင်ရန် ကြိုတင်ညှိနှိုင်း၍ မူကြမ်းပြင်ဆင်ထားပြီးဖြစ်ကြောင်း သဘော တူညီချက်မူကြမ်း(Easement Right of Way and Crop Compensation Agreement Draft) နှင့်တကွ အသိပေးအကြောင်းကြားလာပါသဖြင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှသုံးသပ် လမ်းညွှန်ပေးနိုင်ပါရန်လေးစားစွာတင်ပြအပ်ပါသည်။

ဦးထူးထူးအောင်။
အမှုဆောင်ဒါရိုက်တာ။
Asia AVA Gas Co.,Ltd.

INVESTMENT PROPOSAL
to
MYANMAR INVESTMENT COMMISSION

By

ASIA AVA GAS COMPANY LIMITED

TO BUILD, OPERATE AND OWN

LIQUEFIED PETROLEUM GAS IMPORT STORAGE AND DISTRIBUTION TERMINAL AND BOTTLING PLANT

THANLYIN TOWNSHIP, YANGON REGION
REPUBLIC OF THE UNION OF MYANMAR

JANUARY 2016

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ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စွမ်းအင်ဝန်ကြီးဌာန
(ဝန်ကြီးရုံး)

စာအမှတ်၊မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁(၆၆ /၂၀၁၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ ဇန်နဝါရီလ ၂၂ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ AVA Gas Company Limited တည်ထောင်ခြင်းအတွက် Joint Venture Agreement အား ကနဦးကြိုတင်သုံးသပ်ပေးနိုင်ပါရန် တင်ပြခြင်းကိစ္စ

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Ava Kahyasi Investments Pte. Ltd. ၊ Same Sky Construction Company Ltd. နှင့် Guiding Star Group Ltd. တို့သည် ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်အတွင်း ကုမ္ပဏီပိုင်မြေနေရာ၌ ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်မှုစီမံကိန်းအား အကျိုးတူပူးပေါင်းဆောင်ရွက်နိုင်ရေးအတွက် ဖက်စပ်လုပ်ငန်းလုပ်ကိုင်နိုင်ရန် AVA Gas Company Limited အမည်ဖြင့် ဖွဲ့စည်းဆောင်ရွက်သွားမည်ဖြစ်ပါသည်။

၂။ လုပ်ငန်းများဆောင်ရွက်နိုင်ရေးအတွက် ညှိနှိုင်းဆောင်ရွက်ပြီးသည့် Joint Venture Agreement အား သက်ဆိုင်ရာဌာန(၅)ခုသို့ ပေးပို့၍ သဘောထားမှတ်ချက်များရယူပြင်ဆင်ပြီးဖြစ်ပါ၍ ဤဝန်ကြီးဌာနအနေဖြင့် ပြည်ထောင်စုအစိုးရအဖွဲ့၊ စီးပွားရေးရာကော်မတီသို့ ဖက်စပ်လုပ်ငန်းသဘောတူစာချုပ် ချုပ်ဆိုဆောင်ရွက်ခွင့်ရရှိနိုင်ရေးအတွက် တင်ပြဆောင်ရွက်ထားပါသည်။

၃။ အဆိုပါလုပ်ငန်းအတွက် စီးပွားရေးရာကော်မတီနှင့် ပြည်ထောင်စုအစိုးရအဖွဲ့တို့မှ ဆောင်ရွက်ခွင့်ပြုချက်ရရှိပြီးမှ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့ ခွင့်ပြုချက်ရရှိရန် လျှောက်ထားရမည်ဖြစ်သော်လည်း လုပ်ငန်းဆောင်ရွက်မှုမြန်ဆန်စေရေးအတွက် အဆိုပါ စီမံကိန်းအဆိုပြုလွှာကို ကနဦးကြိုတင်သုံးသပ်ပေးနိုင်ပါရန် တင်ပြအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဖေဇင်ထွန်း၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို

ဦးဆောင်ညွှန်ကြားရေးမှူး၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပြည်ထောင်စုရှေ့နေချုပ်ရုံး
နေပြည်တော်

စာအမှတ်၊ ၂(၅) ၁ - ၉ /နပတ(၁၁၈၉)

ရက်စွဲ ၊ ၂၀၁၅ ခုနှစ်၊ နိုဝင်ဘာလ ၂၀ ရက်

အကြောင်းအရာ။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA Gas Company တို့အကြား ချုပ်ဆိုမည့် Joint Venture Agreement (မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်တောင်းခံခြင်း

ရည် ညွှန်း ချက် ။ (၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၁၃-၁၁-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ - ဥပဒေ- လုပ်ငန်းစစ်/ ၀၁ (၄၇၅) ၂၀၁၅

(၂) စွမ်းအင်ဝန်ကြီးဌာန၏ ၁၄-၁၀-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ - ဥပဒေ- လုပ်ငန်းစစ်/ ၀၁ (၃၈၉) ၂၀၁၅

(၃) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၄-၈-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ- ဥပဒေ- လုပ်ငန်းစစ်/ ၀၁ (၂၇၉) ၂၀၁၅

(၄) ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ ၂၈-၈-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ ၂(၅) ၁-၉ / နပတ (၈၄၉)

(၅) ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ ၂၇-၁၀-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ ၂(၅) ၁-၉ / နပတ (၁၀၉၇)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA Gas Company တို့အကြား Joint Venture Agreement ဖြင့် ရန်ကုန်တိုင်းဒေသကြီး၊ သံလျင်မြို့နယ်အတွင်း ကုမ္ပဏီပိုင်မြေနေရာ၌ ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည်တင်/ချ ဆိပ်ကမ်း

တည်ဆောက်မှုစီမံကိန်းအား ပူးပေါင်းဆောင်ရွက်ရန်အတွက် ချုပ်ဆိုမည့် Joint Venture Agreement (မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းချက်(၁)ပါ စာဖြင့် မေတ္တာရပ်ခံလာသောကိစ္စဖြစ်ပါသည်။

၂။ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA Gas Company တို့အကြား ရေနံဓာတ်ငွေ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည်တင်/ချ ဆိပ်ကမ်းတည်ဆောက်မှုစီမံကိန်းအား ပူးပေါင်းဆောင်ရွက်ရန်နှစ်ဖက်ညှိနှိုင်းလျက် အဆိုပါစီမံကိန်းဆောင်ရွက်ရန်အတွက် AVA Gas Company မှအဆိုပြုတင်ပြလာသော Joint Venture Agreement (မူကြမ်း)အပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းချက်(၂)နှင့်(၃)တို့ပါစာဖြင့် တောင်းခံလာ၍ ပြည်ထောင်စုရှေ့နေချုပ်ရုံးမှ ရည်ညွှန်း ချက်(၄)နှင့်(၅)တို့ပါစာဖြင့် အကြံပြုပြန်ကြားခဲ့ပါသည်။ ပြည်ထောင်စုရှေ့နေချုပ်ရုံးမှ အကြံပြုချက်များနှင့်အညီ ပြန်လည်ပြင်ဆင်ထားသည့် စာချုပ်(မူကြမ်း)အပေါ် သဘောထားမှတ်ချက်ပြန်ကြား ပေးပါရန် ရည်ညွှန်းချက်(၁)ပါစာဖြင့် ထပ်မံပေးပို့လာသောကိစ္စရပ်ဖြစ်ပါသည်။

၃။ ပေးပို့လာသော Joint Venture Agreement (မူကြမ်း)ကို ဥပဒေရှုထောင့်မှ လေ့လာစိစစ်၍ အောက်ပါ အတိုင်း သုံးသပ် အကြံပြုအပ်ပါသည်-

(က) စာချုပ်(မူကြမ်း) Article 1 Definitions ခေါင်းစဉ်အောက်ရှိ Force Majeure ၏ အဓိပ္ပါယ်ဖွင့်ဆိုချက်နှင့် စပ်လျဉ်း၍ Article 28 တွင် သတ်မှတ်ဖော်ပြထားသည့်အတိုင်းဟု ရေးသားထားပါသည်။ စာချုပ်(မူကြမ်း)တွင် Article 28 မှာ Renegotiation of the Agreement စည်းကမ်းချက်ဖြစ်နေပါသဖြင့် ရည်ညွှန်းချက်များမှန်ကန်စေရေးကို ဌာနက သတိပြုစိစစ်သင့်ပါသည်၊

(ခ) စာချုပ်(မူကြမ်း) Article 13.1 General Obligations of Company ၊ အပိုဒ်ခွဲ 13.2 နှင့် 13.3 ပါ စည်းကမ်းချက်များအရ Party B က မြန်မာနိုင်ငံ

အတွင်းသို့ တင်သွင်းမည့် JV Company အတွက် လိုအပ်သည့်ပစ္စည်းများကို နိုင်ငံတကာအသိအမှတ်ပြု အာမခံကုမ္ပဏီများတွင် ထားရှိသည့်အာမခံအတွက် အမေရိကန်ဒေါ်လာငွေဖြင့် ပေးချေမည်ဖြစ်ကြောင်း၊ ထိုသို့ အာမခံထားရှိရန်အတွက် JV Company ၏အခြေပစ္စည်း "assets" များကို အာမခံအဖြစ် အဆိုပါအာမခံကုမ္ပဏီ၌ အာမခံထားရှိရမည်ဖြစ်ကြောင်း ဖော်ပြထားသည်ကို ဌာနမှသတိပြုစိစစ်သင့်ပါသည်၊

(ဂ) စာချုပ်(မူကြမ်း) အပိုဒ် 33.4 Confidentiality စည်းကမ်းချက်တွင် စာချုပ်ဝင်များအကြား လျှို့ဝှက်စွာထိန်းသိမ်းရမည့် သတင်းအချက်အလက်များကို ဤ စာချုပ်သက်တမ်းကုန်ဆုံး(သို့) ရပ်စဲပြီးနောက် (၃)နှစ်ကြာသည်အထိ ဆက်လက်၍ လျှို့ဝှက်စွာထိန်းသိမ်းရမည်ဖြစ်ကြောင်း ဖော်ပြထားသည်ကို ဌာနမှသတိပြုသင့်ပါသည်၊

(ဃ) စာချုပ်(မူကြမ်း)တွင်ဖော်ပြထားသည့် JV Company ၏သင်းဖွဲ့စည်းမျဉ်း၊ သင်းဖွဲ့မှတ်တမ်းများအား မြန်မာနိုင်ငံကုမ္ပဏီများအက်ဥပဒေပုဒ်မ ၉ နှင့် ပုဒ်မ ၁၉ တို့အရ အင်္ဂလိပ်-မြန်မာနှစ်ဘာသာဖြင့် ပြုစုရန်လိုအပ်မည်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

၄။ ရေနံဓာတ်ငွေ့ဖြန့်ဖြူးခြင်းလုပ်ငန်းသည် နိုင်ငံတော်ပိုင်စီးပွားရေးလုပ်ငန်းများ ဥပဒေ ပုဒ်မ ၃ အရ နိုင်ငံတော်အစိုးရကသာ နိုင်ငံတော်ပိုင်စီးပွားရေးလုပ်ငန်းအဖြစ် ဆောင်ရွက်နိုင်ခွင့်ရှိသဖြင့် ယခုစာချုပ်(မူကြမ်း)ပါလုပ်ငန်းများကိုဆောင်ရွက်နိုင်ရန်ဖော်ပြပါဥပဒေပုဒ်မ ၄ အရအစိုးရအဖွဲ့၏ အမိန့်ကြော်ငြာစာဖြင့် ခွင့်ပြုချက်ရယူရန်လိုအပ်မည်ဖြစ်ပါသည်။

၅။ ဤ စာချုပ် (မူကြမ်း) ကို ပြည်ထောင်စုရှေ့နေချုပ်ဥပဒေနှင့်အညီ ဥပဒေကြောင်းအရသာ ဥပဒေအကြံဉာဏ်ပေးခြင်း ဖြစ်ပါသည်။ ဥပဒေရေးရာမဟုတ်သည့် စီမံရေးရာ၊ ဘဏ္ဍာရေးရာ၊

ကျွမ်းကျင်မှုဆိုင်ရာကိစ္စရပ်များကို ဤရုံးအနေဖြင့်မှတ်ချက်ပေးရန်မရှိပါကြောင်းနှင့် ယင်းကိစ္စရပ်များနှင့်စပ်လျဉ်း၍သက်ဆိုင်ရာကျွမ်းကျင်သူများနှင့်ဆွေးနွေးညှိနှိုင်းဆောင်ရွက်ရန်အကြံပြုပါသည်။

၆။ စာချုပ်ဝင်ကုမ္ပဏီများသည် သက်ဆိုင်ရာနိုင်ငံ၏ ဥပဒေအရတရားဝင်ဖွဲ့စည်းထားသောကုမ္ပဏီဟုတ် မဟုတ်၊ စာချုပ်ပါလုပ်ငန်းကိုလုပ်ကိုင်နိုင်ခွင့်နှင့် လုပ်ကိုင်နိုင်စွမ်းရှိ မရှိ၊ ငွေကြေးအင်အားပြည့်စုံမှုရှိ မရှိ၊ စာချုပ်တွင်လက်မှတ်ရေးထိုးမည့်သူသည်တရားဝင်လွှဲအပ် ထားခြင်းခံရသူများဟုတ် မဟုတ်စသည်တို့အတွက်သက်ဆိုင်ရာ စာရွက်စာတမ်းများတောင်းယူ စိစစ်သင့်ပါသည်။

၇။ ဤ စာချုပ် (မူကြမ်း)ကို လက်မှတ်ရေးထိုးချုပ်ဆိုပြီးပါက မှတ်တမ်းတင်ထားနိုင်ရန်အတွက် ဤရုံးသို့ မိတ္တူ(၃)စောင်ပေးပို့ပါရန် မေတ္တာရပ်ခံအပ်ပါသည်။

၈။ ဤ အကြံပြုချက်ကို လျှို့ဝှက်အဆင့် သတ်မှတ်ဆောင်ရွက်ရန် ဖြစ်ပါသည်။

(ကျော်ဆန်း)

ညွှန်ကြားရေးမှူးချုပ်(တာဝန်)

စွမ်းအင်ဝန်ကြီးဌာန

မိတ္တူ - ရုံးလက်ခံ / မျှောစာတွဲ

M-017/E/DRWT/ AVA Gas Company (JV) (18-11-2015).doc

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
အမျိုးသားစီမံကိန်း နှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှု ဝန်ကြီးဌာန
ပြည်ထောင်စုဝန်ကြီးရုံး

စာအမှတ်၊ အမစ - ၁ / ၃ / ၉(၉၂၁၁ /၂၀၁၅)
ရက်စွဲ၊ ၂၀၁၅ ခုနှစ် နိုဝင်ဘာလ ၂၅ ရက်

သို့

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ Myanma Petrochemical Enterprise ၊ Ava Kahyasi Investments Pte Limited ၊ Same Sky Construction Company Limited နှင့် Guiding Star Group Limited တို့အကြား လက်မှတ်ရေးထိုးမည့် Joint Venture Agreement-JVA(မူကြမ်း)အပေါ် သဘောထားပြန်ကြားခြင်း

ရည်ညွှန်းချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၁၃-၁၁-၂၀၁၅ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၁၁ (၄၇၄) ၂၀၁၅

၁။ Myanma Petrochemical Enterprise ၊ Ava Kahyasi Investments Pte Limited ၊ Same Sky Construction Company Limited နှင့် Guiding Star Group Limited တို့အကြား လက်မှတ်ရေးထိုးမည့် Joint Venture Agreement-JVA(မူကြမ်း)အပေါ် အောက်ပါ သဘောထား မှတ်ချက် ပြန်ကြားပေးပို့အပ်ပါသည်-

(က) JVA(မူကြမ်း)အရ ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်အတွင်း ရေနံဓါတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် ရေနံဓါတ်ငွေ့ရည် တင်/ချဆိပ်ကမ်းတည်ဆောက်မှုစီမံကိန်း ပူးပေါင်း ဆောင်ရွက်ရန်အတွက် Joint Venture Company တည်ထောင်ရန်ဖြစ်ပြီး စီမံကိန်း ကာလမှာ နှစ်(၅၀)ဖြစ်ကြောင်းတွေ့ရှိရပါသည်။

(ခ) JVA(မူကြမ်း)အရ ဖက်စပ်အစုရှယ်ယာများအဖြစ် Myanma Petrochemical Enterprise မှ 3.5% ၊ Ava Kahyasi Investments Pte Limited မှ 76.5% ၊ Same Sky Construction Company Limited မှ10% နှင့် Guiding Star Group Limited မှ10% အသီးသီးပါဝင်ကြောင်းနှင့် စီမံကိန်းအတွက် ရင်းနှီးမြှုပ်နှံမှုခန့်မှန်းငွေ စုစုပေါင်းမှာ USD 60 Million ဖြစ်ကြောင်းတွေ့ရှိရပါသည်။

(ဂ) JVA(မူကြမ်း)အရ နိုင်ငံတော်ဘဏ္ဍာငွေ ကျခံသုံးစွဲရန်ကိစ္စနှင့်စပ်လျဉ်း၍ မိမိဌာန၏ နှစ် အလိုက် ဘတ်ဂျက်လျာထားချက်တွင် ထည့်သွင်းသတ်မှတ်ရန် လိုအပ်မည်ဖြစ်ပါ ကြောင်းနှင့် ငွေလုံးငွေရင်းဖြစ်ပါက အမျိုးသားစီမံကိန်းတွင် ထည့်သွင်းနိုင်ရေးအတွက် စီမံကိန်းရေးဆွဲရေးဦးစီးဌာနသို့ ဆက်လက်ပေးပို့ရန်ဖြစ်ပါသည်။

(ဃ) JVA(မူကြမ်း) Article 1 - Definitions ပါ "Company Act" ၏ အဓိပ္ပါယ်ဖွင့်ဆိုချက်အား ပြည့်စုံတိကျစွာ အဓိပ္ပါယ်ဖွင့်ဆိုရန် အကြံပြုအပ်ပါသည်။

(င) JVA(မူကြမ်း) Article 1 - Definitions ပါ Myanmar Government ၏ အဓိပ္ပါယ်ဖွင့်ဆိုချက်တွင် "Myanmar Government refers to the Government of Republic of the Union of Myanmar" အစား "Myanmar Government refers to the Government of **the** Republic of the Union of Myanmar" ဟု ပြင်ဆင်ရန် အကြံပြုအပ်ပါသည်။

(စ) JVA(မူကြမ်း) Article 5 ၊ အပိုဒ်ခွဲ - 5.1 ပါ "This Agreement shall remain valid for a period of Fifty (50) years with two extensions each of ten-year periods permitted." အစား "This Agreement shall remain valid for a period of Fifty (50) years with **two time extensions** each of ten-year periods permitted." ဟု ပြင်ဆင်ရန် အကြံပြုအပ်ပါသည်။

(ဆ) JVA(မူကြမ်း) Atricle 15 ပါ "The Joint Venture Company shall comply with Applicable Laws and Regulations of Myanmar" အစား "The Joint Venture Company shall comply with Applicable Laws and Regulations of **the Republic of the Union of Myanmar**" ဟု ပြင်ဆင်ရန် အကြံပြုအပ်ပါသည်။

(ဇ) JVA(မူကြမ်း) Atricle 19 ၊ အပိုဒ်ခွဲ- 19.2 ၊ "Arbitration" ပါ သတ်မှတ်ချက်များနှင့် စပ်လျဉ်း၍ ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ သဘောထားမှတ်ချက် ရယူရန် လိုအပ်မည်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

(ဈ) JVA(မူကြမ်း) Atricle 30 ပါ အပိုဒ်ခွဲအား "29.1" အစား "**30.1**" ဟု ပြင်ဆင်ရန် အကြံပြုအပ်ပါသည်။

(ည) JVA(မူကြမ်း)အရ စီမံကိန်းလုပ်ငန်းများ အကောင်အထည်ဖော်ဆောင်ရွက်ရာတွင် တည်ဆဲပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ(၂၀၁၂)နှင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ အမိန့်ကြော်ငြာစာအမှတ်(၁/၂၀၁၃)နှင့်အညီ ဆောင်ရွက်ရန်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

(ဋ) မြန်မာနိုင်ငံသည် Extractive Industries Transparency Initiative(EITI) အဖွဲ့ဝင်လောင်းနိုင်ငံဖြစ်ပါသဖြင့် ဤစာချုပ်ပါလုပ်ငန်းများကို ၂၀၁၃ ခုနှစ် EITI Standard နှင့်အညီဆောင်ရွက်ရန် လိုအပ်မည်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

(ဌ) JVA(မူကြမ်း)ပါ မိမိဘက်မှ တာဝန်ယူဆောင်ရွက်ပေးရမည့် ကိစ္စများ၊ လုပ်ငန်းကျွမ်းကျင်မှုဆိုင်ရာ သတ်မှတ်ချက်များနှင့်စပ်လျဉ်း၍ နိုင်ငံတော်၏ တည်ဆဲဥပဒေ၊ နည်းဥပဒေ၊ စည်းမျဉ်းစည်းကမ်းများ၊ လုပ်ထုံးလုပ်နည်းများနှင့် ညီညွတ်မှုရှိရန် လိုအပ်မည်ဖြစ်ပါသဖြင့် သက်ဆိုင်ရာလုပ်ငန်း အကောင်အထည်ဖော်မည့် ဌာနအဖွဲ့အစည်းမှ တာဝန်ယူစိစစ်ရန်ဖြစ်ပါသည်။

၂။ JVA(မူကြမ်း)အပေါ် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ သဘောထားမှတ်ချက် ရယူရန် လိုအပ်မည်ဖြစ်ပါကြောင်း အကြံပြုအပ်ပါသည်။

၃။ JVA(မူကြမ်း)ပါ သတ်မှတ်ချက်များအပေါ် သက်ဆိုင်ရာဌာနမှ သဘောတူလက်ခံပါက ဤဝန်ကြီးဌာနအနေဖြင့် ကန့်ကွက်ရန်မရှိပါကြောင်း ပြန်ကြားအပ်ပါသည်။

၄။ JVA လက်မှတ်ရေးထိုးပြီးပါက မိတ္တူ(၂)စောင်ကို ဤဝန်ကြီးဌာနသို့ ပေးပို့ပေးပါရန် ညှိနှိုင်းအပ်ပါသည်။

၁၅/၁၁/၂၀၁၅

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ထွန်းထွန်းနိုင်၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို
နိုင်ငံခြားစီးပွားဆက်သွယ်ရေးဦးစီးဌာန
ရုံးလက်ခံ/မျှောစာတွဲ

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

ပြည်ထောင်စုစာရင်းစစ်ချုပ်ရုံး

စာအမှတ်၊ စဆ - ၈ / ၁၄၀ (၄၈/ ၂၀၁၅)

ရက်စွဲ ၊ ၂၀၁၅ ခုနှစ်၊ ဒီဇင်ဘာလ (၃) ရက်

သို့

ပြည်ထောင်စုဝန်ကြီး

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ **မြန်မာ့ရေနံဓာတုပေဒလုပ်ငန်းနှင့် Ava Kahyasi Investments Pte Limited၊ Same Sky Construction Company Limited၊ Guiding Star Group Limited တို့ " AVA Gas Company Limited " တည်ထောင်ခြင်းအတွက် Joint Venture Agreement (မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်တောင်းခံခြင်းကိစ္စ**

ရည်ညွှန်းချက်။ လိပ်မူပါရုံး၏ ၁၈-၁၁-၂၀၁၅ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ ၀၁ (၄၈၅/၂၀၁၅)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုပေဒလုပ်ငန်းနှင့် Ava Kahyasi Investments Pte Limited၊ Same Sky Construction Company Limited၊ Guiding Star Group Limited တို့အကြား Joint Venture အဖြစ် " AVA Gas Company Limited " ကို တည်ထောင်၍ Liquefied Petroleum Gas ကို ပြည်ပမှတင်သွင်းခြင်း၊ သိုလှောင်စခန်းတွင် သိုလှောင်ခြင်းနှင့် ပြည်တွင်း၌ဖြန့်ဖြူးခြင်းတို့ကို ဆောင်ရွက်မည်ဖြစ်ပြီး ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်အတွင်း ကုမ္ပဏီပိုင်မြေနေရာ၌ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့်ရေနံဓာတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်း တည်ဆောက်မှုစီမံကိန်းအားပူးပေါင်းဆောင်ရွက်ရန် Joint Venture Agreement(မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းချက်ပါစာဖြင့် ညှိနှိုင်းမေတ္တာရပ်ခံလာပါသည်။

၂။ Joint Venture Agreement (မူကြမ်း) အား စိစစ်ရာ အောက်ပါတို့ကို ဆောင်ရွက်ရန် လိုအပ်ကြောင်း ပြန်ကြားအပ်ပါသည်-

(က) မြန်မာနိုင်ငံကုမ္ပဏီများအက်ဥပဒေ ပုဒ်မ ၁၄၅ (က) တွင် စာရင်းစစ်ကို ပြည်ထောင်စုစာရင်းစစ်ချုပ်၏ အကြံပေးချက်အရ ခန့်ထားရန် ပြည်ထောင်စုစာရင်းစစ်ချုပ်မှ စာရင်းစစ်က မည်သို့မည်ပုံ စစ်ဆေးရန် ညွှန်ကြားနိုင်သလို လိုအပ်လျှင် ၎င်း စစ်ဆေးထားသည့်အပိုင်းများကို ပြည်ထောင်စုစာရင်းစစ်ချုပ်က တာဝန်ပေးသည့်

ပုဂ္ဂိုလ်များက ထပ်မံစစ်ဆေးနိုင်သည်ဟု ပြဋ္ဌာန်းထားသဖြင့် ယင်းအချက်ကိုလည်း ယခုချုပ်ဆိုမည့်စာချုပ် စာရင်းစစ်အခန်းကဏ္ဍတွင် ထည့်သွင်းချုပ်ဆိုရန် လိုအပ်ခြင်း၊

(ခ) ထို့အပြင် စာချုပ်ဖောက်ဖျက်မှုကြောင့် ပေါ်ပေါက်သောထိခိုက်နစ်နာမှုအတွက် ချိုးဖောက်သူ (Breaching Party) သည် Joint Venture Company အား ပေးလျော်စေရန် တာဝန်ရှိကြောင်းသာ ပါရှိပြီး တိကျသည့် စည်းကမ်းသတ်မှတ်ချက်များ၊ အစီအမံများ ထည့်သွင်းချုပ်ဆိုရန် လိုအပ်ခြင်း။

မျိုးမြင့်
ဒုတိယစာရင်းစစ်ချုပ်(၃)

မိတ္တူ -
နိုင်ငံတော်သမ္မတရုံး
သမ္မတဦးစီးရုံး
ပြည်ထောင်စုအစိုးရအဖွဲ့ရုံး
ရုံးလက်ခံ
မျှော

ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော်အစိုးရ
ဘဏ္ဍာရေး ဝန်ကြီးဌာန
ဝန်ကြီးရုံး

စာအမှတ်၊ ဘဏ္ဍာ- ၂/ ၂/ ၂၇၄(ဓနသဇ/၂၀၁၅)
ရက်စွဲ၊ ၂၀၁၅ ခုနှစ်၊ ဒီဇင်ဘာလ ၇ ရက်

သို့

ပြည်ထောင်စုဝန်ကြီး
စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ **သဘောထားမှတ်ချက်ပြန်ကြားခြင်းကိစ္စ။**

ရည် ညွှန်း ချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၁၃-၁၁-၂၀၁၅ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ - ဥပဒေ - လုပ်ငန်းစစ်/ ၁၁ (၄၇၃) ၂၀၁၅

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA Gas Company Limited တို့အကြား Joint Venture Agreement (JVA) စနစ်ဖြင့် ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ် အတွင်း ကုမ္ပဏီပိုင်မြေနေရာ၌ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်မှုစီမံကိန်းအား ပူးပေါင်းဆောင်ရွက်ရန် လက်မှတ်ရေးထိုးမည့် Joint Venture Agreement (JVA) (မူကြမ်း) အပေါ် ဤဝန်ကြီးဌာန၏သဘောထားမှတ်ချက်မှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

(က) Joint Venture လုပ်ငန်းဆောင်ရွက်ရာတွင် နှစ်စဉ်ရရှိမည့် အမြတ်ခွဲဝေ ရရှိငွေများကို မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၏ ရသုံးမှန်းခြေငွေစာရင်း သာမန်စာရင်းအောက်တွင် သာမန်ရငွေအဖြစ် လျာထားရမည်ဖြစ်ပါသည်။

(ခ) အဆိုပါ စီမံကိန်းနှင့် ပတ်သက်၍ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းက ထည့်ဝင်ရမည့် ရှယ်ယာများကို သက်ဆိုင်ရာဘဏ္ဍာရေးနှစ်တွင် ထည့်သွင်းလျာထား ရမည်ဖြစ်ပြီး အဆိုပါလျာထားချက်ကို ပြည်ထောင်စုလွှတ်တော်၏ အတည်ပြုချက် ရရှိမှသာ ကျခံသုံးစွဲနိုင်မည် ဖြစ်ပါသည်။

(ဂ) Joint Venture Agreement (မူကြမ်း)နှင့် စပ်လျဉ်း၍ အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာနနှင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင် တို့၏ ခွင့်ပြုချက်ရယူရန်လိုအပ်ပြီး တည်ဆဲ ရင်းနှီးမြှုပ်နှံမှုဥပဒေ၊ နည်းဥပဒေ များနှင့်အညီ ဆောင်ရွက်သင့်ပါသည်။

Linn / Contract (2015/Dec p- 1)

(ဃ) သဘောတူစာချုပ် (မူကြမ်း) ပါ အပိုဒ် ၁၄ "Taxation" တွင် Joint Venture Company များအနေဖြင့် "မြန်မာနိုင်ငံမှ သတ်မှတ်ပြဋ္ဌာန်းထားသော တည်ဆဲအခွန်ဆိုင်ရာဥပဒေ၊ နည်းဥပဒေ၊ အမိန့်ညွှန်ကြားချက်များနှင့်အညီ လိုက်နာရမည်" ဟု ဖော်ပြပါရှိပြီးဖြစ်ပါသဖြင့် စီမံကိန်းတွင် မြေငှားရမ်းစာချုပ် ချုပ်ဆိုမှုအတွက် တံဆိပ်ခေါင်းခွန်အပါအဝင် အခြားထိုက်သင့်သော အခွန်အခများအား ဥပဒေနှင့်အညီ ထမ်းဆောင်ရမည်ဖြစ်ပါသည်။

၂။ လိုအပ်သလို ဆောင်ရွက်နိုင်ပါရန် ပြန်ကြားအပ်ပါသည်။

မြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဒေါက်တာလင်းအောင်၊ဒုတိယဝန်ကြီး)

မိတ္တူကို

- မြန်မာ့နိုင်ငံခြားကုန်သွယ်မှုဘဏ်
- ရသုံးမှန်းခြေငွေစာရင်းဦးစီးဌာန
- ငွေတိုက်ဦးစီးဌာန
- ပြည်တွင်းအခွန်များဦးစီးဌာန
- အကောက်ခွန်ဦးစီးဌာန

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်

စာအမှတ်၊ မဗဘ/ ဘဏ်စိစစ်/ ၄(၃၃၆/၂၀၁၅)

ရက်စွဲ ၊ ၂၀၁၅ ခုနှစ်၊ နိုဝင်ဘာလ ၃၀ ရက်

သို့

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ ။ **စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA Gas Company Limited တို့အကြား ပူးပေါင်းဆောင်ရွက်ရန် ချုပ်ဆိုမည့် Joint Venture Agreement (မူကြမ်း) အပေါ်သဘောထားမှတ်ချက်ပြန်ကြားခြင်း**

ရည် ညွှန်း ချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၊ ဝန်ကြီးရုံး၏ ၁၃-၁၁-၂၀၁၅ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁ (၄၇၆) ၂၀၁၅

ရန်ကုန်တိုင်းဒေသကြီး၊ သန်လျင်မြို့နယ်အတွင်း ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ရည် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်မှုစီမံကိန်းအား စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းနှင့် AVA KAHYASI Investments Pte. Limited မှ ဦးဆောင်ကုမ္ပဏီအဖြစ် ဆောင်ရွက်မည်ဖြစ်ပြီး မြန်မာနိုင်ငံတိုင်းရင်းသားကုမ္ပဏီများဖြစ်သော Same Sky Construction Company Limited နှင့် Guiding Star Group Limited တို့မှ စီမံကိန်းရင်းနှီးမြှုပ်နှံငွေ အမေရိကန်ဒေါ်လာ သန်း ၆၀ ရင်းနှီးမြှုပ်နှံပြီး ပူးပေါင်းဆောင်ရွက်ရန်အတွက် ချုပ်ဆိုမည့် Joint Venture Agreement (မူကြမ်း)အပေါ် ရည်ညွှန်းချက်ပါစာဖြင့် သဘောထားမှတ်ချက်တောင်းခံလာခြင်းနှင့်စပ်လျဉ်း၍ မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်အနေဖြင့် သဘောထားမှတ်ချက်ပြုရန်မရှိပါကြောင်း ပြန်ကြားအပ်ပါသည်။

ဥက္ကဋ္ဌ(ကိုယ်စား)

(ခင်စောဦး၊ ဒုတိယဥက္ကဋ္ဌ)

LH(M) MPE& AVA Kahyasi (23-11-2015)-4

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စွမ်းအင်ဝန်ကြီးဌာန
(ဝန်ကြီးရုံး)

စာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/၀၁(၁၉၃/၂၀၁၆)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁၄ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **Asia AVA Gas Co., Ltd မှ ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည်တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူးရောင်းချခြင်းလုပ်ငန်း အား အကျိုးတူပူးပေါင်းဆောင်ရွက်ရေးကိစ္စ**

ရည်ညွှန်းချက်။ (၁) ဤရုံး၏ ၂၉-၁-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ ၀၁ (၇၄/၂၀၁၆)

(၂) ဤရုံး၏ ၁၉-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ မူဝါဒ-ဥပဒေ-လုပ်ငန်းစစ်/ ၀၁ (၁၁၈/၂၀၁၆)

စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Ava Kahyasi Investments Pte. Ltd. ၊ Same Sky Construction Company Ltd. နှင့် Guiding Star Group Ltd. တို့အကျိုးတူပူးပေါင်း၍ Asia AVA Gas Company Limited အမည်ဖြင့် ဖက်စပ်လုပ်ငန်း သဘောတူစာချုပ် (Joint Venture Agreement) ချုပ်ဆိုဆောင်ရွက်ခွင့်ရရှိနိုင်ရေး အတွက် ရည်ညွှန်း(၁)ပါစာဖြင့် ပြည်ထောင်စုအစိုးရအဖွဲ့သို့ တင်ပြခဲ့ရာ ၄-၂-၂၀၁၆ ရက်နေ့တွင်ကျင်းပပြုလုပ်သော ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်၊ ပြည်ထောင်စုအစိုးရအဖွဲ့ အစည်းအဝေးအမှတ်စဉ် (၅/၂၀၁၆) မှ သဘောတူပါကြောင်း ရည်ညွှန်း(၂)ပါစာဖြင့် အကြောင်းကြားလာပါသဖြင့် သိရှိနိုင်ပါရန်နှင့် လိုအပ်သလိုဆက်လက်ဆောင်ရွက်နိုင်ပါရန် တင်ပြအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဇေဇင်ထွန်း၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို
ဦးဆောင်ညွှန်ကြားရေးမှူး၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း

MEA(AVA) 16-3-2016

To

Chairman
Myanmar Investment Commission
The Republic of the Union of Myanmar

Date: 14th January 2016

Your Excellency,

Re: Application for issue of Permit for Joint Venture Foreign Investment in the Republic of the Union of Myanmar

1. We hereby respectfully submit our application for the issuance of the permit to build, operate and own a Liquefied Petroleum Gas Import, Storage and Distribution Terminal and Bottling Plant through Lease Agreement for land and Joint Venture agreement with local and foreign partners, and our desire to obtain an investment permit under the Republic of the Union of Myanmar Foreign Investment Law and Myanmar Companies Act, in the name of **Ava Gas Company Limited.** The company will have shareholding of 76.5% contributed by **Ava Khayasi Investments Pte. Ltd** of Singapore, 3.5% shareholding by **Myanmar Petrochemical Enterprise**, 10 % shareholding contributed by **Same Sky Construction Company** of Myanmar and 10% shareholding contributed by **Guiding Star Group Limited** of Myanmar.

2. In accordance with the Foreign Investment Law of the Republic of the Union of Myanmar, which was enacted in 2012, **Ava Gas Company Limited** is now applying for issue of Permit under Section 9 of Foreign Investment Law.

3. **Ava Gas Company Limited**'s Memorandum of Association contains an objective to establish the business of **"**Liquefied Petroleum Gas Import, Storage and Distribution Terminal and Bottling Plant**"**. As per our business intention, we hereby submit the proposal to build and operate a **"**Liquefied Petroleum Gas Import, Storage and Distribution Terminal and Bottling Plant**"** in Thanylin Township, Yangon Region of Myanmar, where the company office will be located at No.83, Damazedi Road, Sanchaung Township, Yangon, Myanmar. We have made a detailed account of our project in the attached business plan, together with financial projections.

4. **Ava Gas Company Limited** intends to lease 31.78 acres of land at Thanylin Township, Yangon Region and to operate the **"**Liquefied Petroleum Gas Import, Storage and Distribution Terminal and Bottling Plant**"**.

5. The initial investment asset will include **US$ 3,000,000** (United States Dollar Three Million Only) in cash, and **US$ 55,000,000** (United States Dollar Fifty Five Million Only) for machinery and equipment, **US$ 2,000,000 million** (United States Dollar Two Million Only) for raw materials, 80% of which will be brought into Myanmar in cash and in kind, and 20% will be contributed by local shareholders.

6. We attach the following relevant documents within the proposal
   a. Reference for the business and financial standing; (Audited Accounts, Bank Statements and Bank References)
   b. Drafts of Memorandum of Association and Article of Association (For the company to be formed in Myanmar – "**Ava Gas Company Limited"**)
   c. Various Projections of different sectors and phases of the project
   d. Explanation of how the project will contribute to the national interest.
   e. Passport copies of all directors in the company as well as National Registration Cards for Myanmar nationals.

7. Furthermore, we are willing to apply for the following exemptions or relief from taxation allowed as per Section 12 of the Foreign Investment Law.
   (a) Income tax exemption for a period of 5 consecutive years including the year of commencement on commercial scale;
   (b) Income tax exemption or relief on profit accrued from the business which are kept as a reserve fund and reinvested within one year;
   (c) Right to deduct depreciation from the profit, after computing as the rate of deducting depreciation stipulated by the Union, in respect of machinery, equipment, building or other capital assets used in the business for the purpose of income-tax assessment
   (d) Relief from income tax up to 50 percent on the profit accrued from the export of goods produced by the manufacturing business
   (e) Right to pay income tax on the income of foreigner employees at the rates applicable to the citizens residing within the Union;
   (f) Right to deduct expenses from the assessable income incurred for research and development business which are actually required and are carried out within the Union;
   (g) Right to carry and set-off the loss actually sustained within two consecutive years after the enjoyment of exemption or relief from income-tax as contained in sub-section (a) for each business up to three consecutive years from the year the loss is sustained;
   (h) Exemption or relief from custom duty or other internal taxes or both on machineries, equipment, instruments, machinery components, spare parts and materials used in the business which are imported as they are actually required for use during the period of construction of business;
   (i) Exemption or relief from custom duty or other internal taxes or both on raw materials imported for production for the first three years after the completion of construction of business;
   (j) If the volume of investment is increased with the approval of the Commission and the original investment business is expanded during the permitted period, exemption or relief from customs duty or other internal taxes or both on machineries, equipment, instruments, machinery components, spare parts and materials used in the business which are imported as they are actually required to use in the business expanded as such.
   (k) Exemption or relief from commercial tax on the goods produced for export.

8. In order to perform the investment project, the investor wishes to apply for Investment Permit under the Foreign Investment Law from Myanmar Investment Commission.

9. Therefore, the investment proposals are presented for necessary scrutiny for issue of permit for Joint Venture foreign investment.

Respectfully yours

Promoter

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 1

Form 1 - Proposal of the Promoter to make foreign investment in the Republic of the Union of Myanmar

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

Form (1)

To

The Chairman
Myanmar Investment Commission
Nay Pyi Taw

Reference No.P-L-I//001(63/2016)
Date: 25th January 2016

I do apply for the permission to make investment in the Republic of the Union of Myanmar in accordance with The Foreign Investment Law by furnishing the following particulars:-

1. The Investor's or Promoter's

(a)	Name:	Permanent Secretary
(b)	Father's name:	
(c)	ID No./National Registration Card No./ Passport No:	Ministry of Energy
(d)	Citizenship:	Myanmar
(e)	Address in Myanmar:	Office No.6, Nay Pyi Taw, The Republic of the Union of Myanmar
(f)	Residence abroad:	N/A
(g)	Name of Principle Organisation:	Ministry of Energy
(h)	Type of business:	Petroleum Business
(i)	Principle company's address:	Office No.6, Nay Pyi Taw, The Republic of the Union of Myanmar

2. As the investment is to be made by Joint Venture, the particulars of the persons wishing to participate in the joint-venture with the promoters are:

2.1 Joint Venture Partner - Foreign

(a)	Name :	Ava Kahyasi Investments Pte Ltd
(b)	Father's name :	Not Applicable
(c)	ID No./National Registration Card No./ Passport No:	Not Applicable
(d)	Citizenship:	Singapore
(e)	Address in Myanmar:	89 Dhammazedi Road, Sanchuang Township, Yangon
(f)	Residence abroad:	#02-01, 29 Stanley Street, 068378 Singapore
(g)	Parent company:	Cathay Petroleum International Ltd.
(h)	Type of business:	Petroleum Investments
(i)	Parent company's address:	903, China Merchants Tower, Shun Tak Centre, 168-200 Connaught Road Central, Hong Kong

2.2 Joint Venture Partner - Local

(a)	Name:	Myanmar Petrochemical Enterprise
(b)	Father's name:	Not Applicable
(c)	ID No./National Registration Card No./ Passport No:	Not Applicable
(d)	Citizenship:	Not Applicable
(e)	Address in Myanmar:	Office 44, Naypyitaw, Myanmar
(f)	Residence abroad:	Not Applicable
(g)	Parent company	Not Applicable
(h)	Type of business:	State Owned Enterprise
(i)	Parent company's address:	Not Applicable

2.3 Joint Venture Partner - Local

(a)	Name:	Guiding Star Group Limited
(b)	Father's name:	Not Applicable
(c)	ID No./National Registration Card No./ Passport No:	Not Applicable
(d)	Citizenship:	Myanmar
(e)	Address in Myanmar:	83 Dhammazedi Road, Sanchaung Township, Yangon
(f)	Residence abroad:	Not Applicable
(g)	Parent company	Not Applicable
(h)	Type of business:	Services Company

2.4 Joint Venture Partner - Local

(a)	Name:	Same Sky Construction Company Limited
(b)	Father's name:	Not Applicable
(c)	ID No./National Registration Card No./ Passport No:	Not Applicable
(d)	Citizenship:	Myanmar
(e)	Address in Myanmar:	No. 225 5th Street U Wisara Road Bahan Township, Yangon
(f)	Residence abroad:	Not Applicable
(g)	Parent company	Not Applicable
(h)	Type of business:	Services Company

Remark: The following documents are attached herewith according to the above paragraph (1) and (2):-

(1) Company registration certificate (copy);
(2) National Registration Card (copy) and/or Passport (copy);
(3) Evidence about the business and financial conditions of the participants of the proposed investment business;

3. Type of proposed investment business:

(a)	Manufacturing	**Import, Storage, Bottling, Processing, Transportation, Distribution of Liquefied Petroleum Gas**
(b)	Service business related with manufacturing	
(c)	Service	
(d)	Others	

Remark: Expressions about the nature of business with regard to the above paragraph (3)

4. Type of business organization to be formed:

(a) One hundred percent

(b) Joint Venture:

(i) Foreigner and citizen

(ii)Foreigner and Government department/organization — 76.5% Foreigner, 3.5% State Owned Enterprise, 20% Citizens

By contractual basis:

(i) Foreigner and citizen

(ii)Foreigner and Government department/organization

Remark: The following information is attached for the above Paragraph (4):-

(i) Share ratio for the authorized capital from abroad and local, names, citizenships, addresses and occupations of the directors are attached; :

(ii) Contract (Agreement) :

5. Particulars relating to company incorporation

(a)	Authorized capital	US$ 150,000,000
(b)	Type of share	Ordinary Shares
(c)	Number of shares	150,000,000 shares of US$ 1 each

Remark: **Section 10 : Memorandum of Association and Article of Association** of the Company with regard to above paragraph 5.

6. Particulars relating to capital of the investment business

(a)	Amount/percentage of local capital to be contributed	US$ 12 million (20%)
(b)	Amount/percentage of foreign capital to be brought in	US$ 48 million (80%)
	Total	US$ 60 millions (100%)
(c)	Annually or period of proposed capital to be brought in	5 years
(d)	First date of capital brought in	1 February 2016
(e)	Proposed duration of investment	50 years
(f)	Commencement date of construction	1 February 2016
(g)	Construction period	3 years

Remark: Described with annexure if it is required for the above Para 6 (c)

7. Detail list of foreign capital to be brought in :

	Particulars	Foreign Currency (US$)	Equivalent Kyat (millions)
(a)	Foreign currency (Type and amount)	3,000,000	3,000
(b)	Machinery and equipment and Value (to enclose detail list)	43,000,000	43,000
(c)	List of initial raw materials and value (to enclose detail list)	2,000,000	2,000
(d)	Value of license, intellectual property industrial design, trade mark patent rights etc.	-	-
(e)	Value of technical know-how	-	-
(f)	Others (Land Use Premium)	-	-
(g)	Total	48,000,000	48,000

(Exchange Rate : 1US$ = 1,000 kyats)

Remark: For para 7(b) value of machinery is US$ 20,040,000 and the remaining US$ 22,960,000 is for Design, Engineering, Construction, Logistics and Labour cost.
The evidence of permission shall be submitted for the above para 7 (d) and (e).

8. Details of local capital to be contributed :

		Kyat (millions)
(a)	Amount	N/A
(b)	Value of machinery and equipment (to enclose detail list)	N/A
(c)	Rental rate for building/land	3,500
(d)	Cost of building construction	8,500
(e)	Value of furniture and assets (to enclose detail list)	N/A
(f)	Value of initial raw material requirement (to enclose detail list)	N/A
(g)	Others	N/A
(h)	Total	**12,000**

Total capital including foreign and local **60,000**

9. Particulars about the investment business :

(a) Investment location (s) /places: **Republic of the Union of Myanmar**

(b) Type and area requirement for land or land and building

(i)	Location	Land situated at Thanlyin Township, Yangon Region, Myanmar
(ii)	Number of land /building and area	Land : 128,609 square meters (31.78 acres) Buildings : 7,375 square meters (12 buildings)
(iii)	Owner of the land	U Myo Aung and Daw Aye Aye Mon

(cc) Address	Bogyoke Village Tract, Plot No. 11,12,13,14,15/2) Field No 675A and 672 Yangon Region
Type of land	Farm Land with change of use
Period of land lease contract	50 years (extendable by 20 years)
Lease period	50 years (extendable by 20 years)
Lease rate	
(aa) Land	6.18 US$ per square meter annually
(bb) Building	
Ward	Bogyoke Village Tract
Township	Thanlyin Township
State/Region	Yangon
Lessee	
(aa) Name/Name of Company/Department	Asia Ava Gas Company Limited
(bb) Father's name	Not Applicable
(cc) Citizenship	Myanmar
(dd) ID No./Passport No	
(ee) Residence Address	No.83, Damazedi Road, Sanchaung Township, Yangon, Myanmar

Remark: Following particulars have been enclosed for above Para 9 (b)

(i) to enclose land map, land ownership and ownership evidences; **- See Section 13**

(ii) draft land lease agreement, recommendation from the Union Attorney General Office if the land is related to the State; **- See Section 14**

(c) Requirement of building to be constructed;

(i)	Type/number of building	12
(ii)	Area	7,375 square meters

(d) Product to be produced /Service :

(i)	Name of product :	Liquefied Petroleum Gas
(ii)	Estimate amount to be produced annually:	200,000 metric tons per year
(iii)	Type of services :	
(iv)	Estimate value of service annually :	

Remark: Detail list shall be enclosed with regard to the above para 9 (d) –

(e) Annual requirement of materials/raw materials :

Remark: According to the above para 9 (e) detail list of products in term of type of products quantity, value, technical specifications for the production shall be listed and enclosed.

(f)	Production system	Decanting, Processing, Bottling
(g)	Technology	Process Plant
(h)	System of sales	Local Distribution
(i)	Annual fuel requirement (to prescribe type and quantity)	LPG – 500 metric tons
(j)	Annual electricity requirement	350 KWH
(k)	Annual water requirement (to prescribe daily requirement, if any)	1,095,000 gallons annually 3,000 gallons daily

10. Detail information about financial standing :

(a)	Name/company's name	Ava Khayasi Investments Pte.Ltd
(b)	ID No./National Registration Card No./Passport No	201316402K
(c)	Bank Account No: (OCBC Bank Singapore)	503171365301-USD

Remark: To enclose bank statement from resident country and/ or annual audit report of the principle company with regard to the above paragraph 10.

11. Number of personnel required for the proposed economic activity:

(a)	Local personnel	87 (85%)
(b)	Foreign experts and technicians (Engineer, QC, Buyer, Management, etc. based on the nature of business and required period)	15 (15%)

Remark: As per para 11 the following information shall be enclosed:-

(i) Number of personnel, occupation, salary etc;

(ii) Social security and welfare arrangements for personnel;

(iii) family accompany with foreign employee;

12. Particulars relating to economic justification:

		Foreign Currency (US$)	**Equivalent Estimated Kyat**
(a)	Annual income	174,000,000	174,000,000,000
(b)	Annual expenditure	156,000,000	156,000,000,000
(c)	Annual net profit	18,000,000	18,000,000,000
(d)	Yearly investment	12,000,000	12,000,000,000
(e)	Recoupment period	3 years 6 months	
(f)	Other benefits		

(Exchange Rate : 1US$ = 1,000 kyats)

13. Evaluation of environmental impact:

(a)	Organization for evaluation of environmental assessment;	Asia Guiding Star Services Limted
(b)	Duration of the evaluation for environmental assessment;	3 months
(c)	Compensation program for environmental damages;	Will be furnished later
(d)	Water purification system and waste water treatment system;	
(e)	Waste management system;	
(f)	System for storage of chemicals	

14. Evaluation on social impact assessments;

(a)	Organization for evaluation of social impact assessment;	Asia Guiding Star Services Limited
(b)	Duration of the evaluation for social impact assessment;	3 months
(c)	Corporate social responsibility programme;	See CSR Programme

Signature :

Name : U Pe Zin Tun

Designation : Permanent Secretary

Ministry of Energy

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 2

Nature of Business and Technical Proposal

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

Technical Proposal

Project Name: **LPG Loading, Storage, Bottling and Distribution Facility**

Client: **Ava Kahyasi Investments Pte Ltd**

Table of Contents

1. Introduction

Ava Kahyasi Investments Pte Ltd intends to construct a new LPG Import, Storage, Bottling and Distribution plant with storage tanks facility at Thanylin Township, Myanmar. The unloading facility will receive tankers up to 3,000MT of pressurised LPG by ship, where it will be stored before being distributed by tanker truck and bottled to supply the needs of the local market.

The new facility will include the following units:

a) Unloading facility complete with mooring, is to be capable of receiving up to 3,000 MT pressurised storage vessels. The unloading facility is to be provided with a hydraulically operated liquid unloading arm, complete with vapour recovery.

b) 3,000 MT bulk storage in buried bullets

c) Up to 7,000 MT / Month truck loading gantry, with 3 operating stations and 1 standby (Note: the loading gantry will have a total design capacity in excess of 11,000 MT / month if all stations are operating continuously.)

d) 3,000 MT/ Month LPG bottling plant, complete with bottle washing, testing purging. The plant is of modular design such that it can be relocated to at a later date.

2. Abbreviations

ANSI	: American National Standards Institute
API	: American Petroleum Institute
API RP	: American Petroleum Institute Recommended Practice
ASME	: American Society of Mechanical Engineers
ASTM	: American Society for Testing and Materials
BOD	: Basis of Design
BL	: Battery Limit
CFPP	: Cold Filter Plugging Point
CLO	: Clarified Oil
EOR	: End of Run
EU	: European Union
EU-OSHA	: European Agency for Safety and Health at Work
FBP	: Final Boiling Point
FEED	: Front End Engineering Design
FV	: Full Vacuum
HAZOP	: Hazard and Operability Study
HHV	: Higher Heating Value
IBP	: Initial Boiling Point
IFC	: International Finance Corporation (World Bank Group)
ISA	: International Society of Automation
ITB	: Invitation to Bid
KOM	: Kick-off Meeting
LCO	: Light Cycle Oil
LHV	: Lower Heating Value
LPDP	: Licensor Process Design Package
LPG	: Liquefied Petroleum Gas
MON	: Motor Octane Number
MRC	: Midland Refineries Company
NA	: Not Applicable
NFPA	: National Fire Protection Association
PONA	: Paraffin, Olefin, Naphtene, Aromatics
PSA	: Pressure Swing Adsorption
RDS	: Residue Desulphurisation
RFCC	: Residue Fluid Catalytic Cracking
RON	: Research Octane Number
RVP	: Reid Vapour Pressure
SOR	: Start of Run

TBA	: To Be Advised
TBC	: To Be Confirmed
TDS	: Total Dissolved Solids
TEMA	: Tubular Exchangers Manufacturers Association Incorporation
TIP	: Tie-in-Point
TGT	: Tail-Gas Treatment
TVP	: True Vapour Pressure
TKIS	: ThyssenKrupp Industrial Solutions (Thailand) Ltd.
US-OSHA	: United States Occupational, Health & Safety Administration
US EPA	: United States Environmental Protection Agency
WWTP	: Waste Water Treatment Plant

3.Operational Plan Structure

The Operational Plan documents the following for the operation phase of the LPG Storage and Distribution facility.

Facility Units	On-Stream Capacity	Remarks
LPG Unloading	300 m3/hr maximum	
Storage Bulk	3,000 MT LPG	
Transfer Vessels	80 MT LPG	
Truck Loading	7,000 MT / Month	
Bottling	3,000 MT / Month	

The Operational Plan presented here provides an indication of the operational guideline to be implemented during operation of the LPG Storage and Distribution Facility. As operation will not commence for approximately 18 months years from the start of construction it is likely that techniques and legislative requirements will have changed. In addition, the additional information from construction activity monitoring will provide an improved understanding of the operational procedures required to address these. Therefore, it is proposed to review the Operational Plan at least six months prior to the commencement of operations. The facility is also expected to receive LPG delivered in containers via existing port facilities in Yangon during the construction phase to commence distribution of Liquified Petroleum Gas to meet the requirements of the country.

4.Description of Operation

4.1. Operational Process & Activities

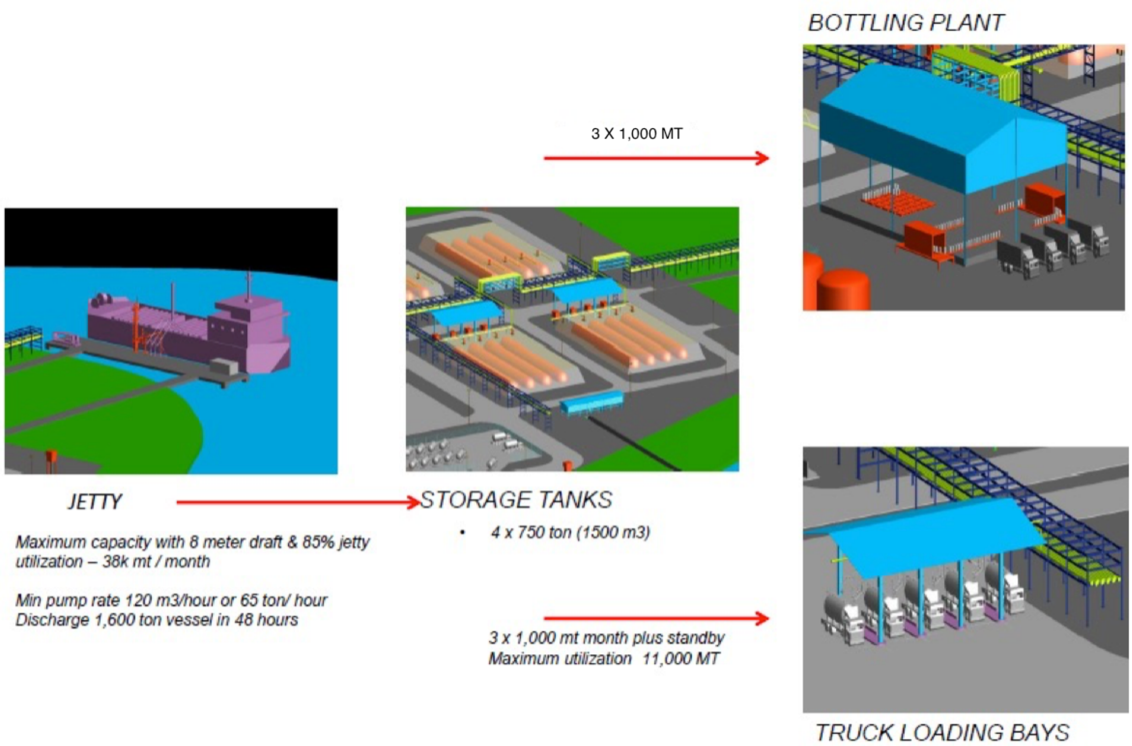
The LPG Storage and Distribution Facility process is shown in the figure below. The LPG bulk cargo will be imported by ship to the unloading facility starting with up to 3,000 MT. The ship will take 2 to 3 hour to berth and connect to the unloading arm. The LPG Storage facility area will communicate with the unloading facility area for unloading commencement. The LPG product will be transferred by ship's pumping system to the LPG Storage tank via pipeline.

The unloading process will be completed within 48 hour depend on the ship's pumping ability. The LPG storage facility area will keep communication to the ship and unloading

facility area when the receiving tanks will be full and require for switching pipeline to another receiving tank.

After completion of unloading process, the LPG storage facility area will communicate with the ship and the unloading facility area to agree the unloading quantity figure prior giving the permission for ship disconnection from the unloading arm facility. The LPG storage facility area will ensure completion of this unloading process successfully and then the operator will take sample from the receiving tanks to the Laboratory for quality testing. After the LPG storage facility area received the Certificate of Quality from the Laboratory, the LPG product will be ready to transfer thru Transfer vessel to Bottling Plant Area and Truck Loading Bays Area.

The Bottling Plant area and Truck Loading Bays Area will received the instruction from the Supply and Marketing team for weekly and diary distribution plan. Both Areas will communicate to the LPG storage facility area for transfer instruction. The Bottling Plant and Truck Loading Bays Areas will provide the loading schedule to Supply and Marketing team according to the weekly and diary distribution plan. The Supply and Marketing team will communicate to the customers to off-take LPG product according to the loading schedule. The Supply and Marketing team will review the supply and demand balance everyday being



liaison for all concerned areas to reconcile the figure and plan for the next procurement. All above activities will be done on the routine basis

4.2. Unloading Facility Area

The LPG product will be pumped from the imported LPG Vessel via LPG Unloading Arm (it can be viewed in the figure below) through unloading pipeline to LPG storage tanks with maximum pumping rate at 300 m3 per hour.

There is one LPG unloading arm. Jetty head complete with jetty furniture capable of receiving pressurised storage vessels up to 3,000 MT. The Jetty head is to be provided with a hydraulically operated liquid unloading arm, complete with vapour return system. The design would be in the form of steel trestles supported on a single pier bollard every twenty meters. The platform at the end which would house the unloading arms and firefighting system would be reduced to no more than ten by ten meters.

The expected number of LPG ship deliveries per year is about 24 to 36 . The expected average movement of vessels expected during the operations phase will be approximately 2-3 vessels a month commencing from the shipment of 1,400 MTs of vessel size. During major maintenance shutdowns, additional barge movements may be required for personnel and equipment.

The ship loading arm will therefore require a rating no lower than 300 m3/h.

A transfer line sized for a 300 m3/h transfer rate at 3 m/s requires a diameter of 6 inches. In the case of the Loading and Storage Facility where a site has not been allocated as yet, a length of 200m has been assumed from the offloading facility to the bulk storage facility

4.3. LPG Storage Facility Area

LPG Storage Tanks with a total capacity of approximately 3,000 MTs, each with capacity of approximately 750 MTs, a diameter of approximately 6.0 m and a length of approximately 51.0 m, will be provided to receive shipments of LPG into the facility. These tanks will be a full containment type in bullet shape and are buried in the concrete wall.

The LPG required for this action will be imported by sea, unloaded at the unloading facility and transferred to LPG bulk storage tank. Vapour from the LPG storage tank will be

compressed and re-condensed during normal operations. Only during emergency and upset conditions will these vapours be directed to the flare for disposal.

These LPG storage tanks will be designed to meet requirements established in the relevant international standards. Each LPG storage tank will be equipped with transfer pumps, level gauges, level transmitters, relief valves, vents, temperature elements, and other basic instrumentation.

4.4. Inter Vessel Transfer

The transfer vessels are to be used as batch storage to feed the bottling plants. The vessels will be batched once daily. It is assumed that tankers and the bottling plant operate 22 days of the month.

A 10% buffer volume is allowed for an approximately 5% off-specification vapour pressure correction blending. The length-to diameter (L/D) ratios of the bullets are subject to change according to vendor recommendations.

4.5. Bottling Plant Area

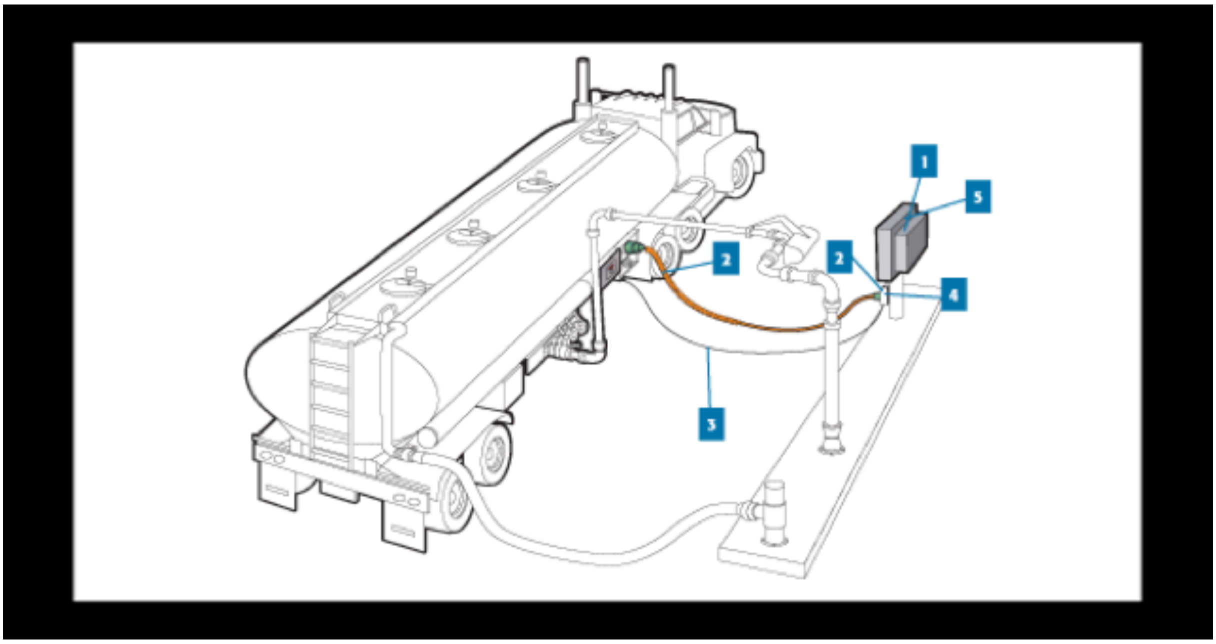
LPG Containerised Bottling Plant has capacity 3,000 MT per Month, complete with bottling washing system, testing and purging. The plant is the modular design and can be relocated elsewhere.

4.6. Truck Loading Area

Truck Loading Bays Area has capacity 7,000 MT per Month, with 3 operating stations and 1 standby station. This loading gantry will have a total design capacity in excess of 11,000 MT per Month if all stations are operated continuously.

The bottleneck for determining product transfer rates from the Storage bullets is the rate of transfer required to fill three road tankers of 45 m3 each within 45 minutes at maximum loading rate. The 0.50 t/m3 density is used here to determine that a pump rate of 200 m3/h is

required. The associated duty requirement is approximately 110 kW to lift the product by 6-bar pressure.



The loading road gantries can typically load at approximately 60 m3/h filling rate. This allows a filling time of 45 minutes for a typical 45 m3 volume.

4.7. Facility Running Period

The LPG Unloading facility and the LPG Storage Facility areas will be operated 24 hours per day, 7 days per week, and 365 days per year. The other facilities will be operated only day time (8 hours per day, 7 days per week and 365 days per year). All facilities may incur shutdowns on one or more of the operating time but will be continuously manned over the period.

4.8.Turn Down Ratio & Design Margin

Facility Units	% of Design Capacity	Remarks
Overall Facility	0 - 100	
LPG Unloading	0 - 100	
Storage Bulk	0 - 100	
Transfer Vessels	0 - 100	
Truck Loading	0 - 100	
Bottling	0 - 100	
Notes: 1. None		

5.Utilities & Others

5.1.Design Information

Utility	Pressure, bar(g)				Temperature, °C			
	Min.	Norm.	Max.	Design	Min.	Norm.	Max.	Design
Steam at Consumer BL								
HP Steam								
MP Steam								
LP Steam								
Water (Note 1)								
Circulating CW supply	3.5	4	4.5	10	28	-	33	80
Circulating CW Return	2	2	2	10	-	-	43	80
Process Water	-	5	-	10	-	Amb.	35	70
Potable Water	-	5	-	10	-	Amb.	35	70
Fire Water	10			16	-	Amb.	35	70
Plant Air	7	8	9	12	10	40	-	80
Instrument Air (Note 2)	5	7	8	10	10	40	-	80
Nitrogen	7	8	-	12	-	40	-	80

Notes:
1. Raw water to the new Loading and Storage Facility shall be supplied from the Yangon River. Raw water supply pressure at the unit BL shall be Min. 4.5 bar(g).
2. Dew point -8°C at 7 bar(g).

5.2 Plant air, Instrument Air and Nitrogen

Specification	Plant Air	Instrument Air	Nitrogen	Units	Remarks
Nitrogen			Min. 99.5	%vol	
Oxygen			< 20	ppm vol.	
CO	-	-	< 20	ppm vol.	
CO_2	-	-	< 20	ppm vol.	
Hydrocarbon	-	-	<5	ppm vol.	
Chlorine	-	-	<1	ppm vol.	
Water	-	-	<5	ppm vol.	
Hydrogen	-	-	<20	ppm vol.	
Dew Point	Saturated	-8 at Normal Pressure	-70	°C	
Oil	Free	Free	Free	ppm wt.	
Storage Capacity	Note 1	Note 2	TBA	m³	

Notes:
1. Plant air receiver shall be provided for 15 minutes reserve time during depressurisation OR make receiver identical dimensions to instrument air receiver.
2. Instrument air receiver shall provide for 30 minutes reserve time during depressurisation from 7 bar(g) to on-off valve actuator minimum instrument air pressure at user's BL.

5.3 Main Utilities

Utilities such as potable water, fire-fighting water and electricity will be produced or treated on site. Water will be taken directly from the Yangon River, treated for process water requirements, with further filtration, UV sterilisation and chlorine dosing for Potable water demands.

The Facility will be designed as self-sufficient as practicable for all operational water requirements. Storm water collected in impounding ponds will be stored and used on the site if the quality is suitable for reuse. The Storm water drainage system from the site will be carried out in accordance with discharge criteria established in the relevant site environmental permits. Utility water and potable water demand are intermittent and generally lower volume rates.

There may be suitable groundwater sources in reasonable proximity to the site which could be used as a permanent water source for the facility.

Firewater will be drawn directly from the river via a dedicated inlet, as such no fire water tank is envisaged

All wastewater treatment from the process, domestic waste, storm water etc will be treated on site and discharged back to the river

Instrument air will be delivered to the facility at employing two 100% screw compressors and associated equipment. A typical, modular skid-mounted system includes the air compressor sets incl. chillers, air-driers and a suitably sized air receiver, designed to supply instrument air to all users at the required pressure dew point, even under surge conditions.

Process air may be tied off before the air-driers and supplied to the facility at a suitable pressure, mainly for maintenance related activities.

Nitrogen may be supplied via either a skid-mounted membrane system or pressure swing absorption (PSA) system on site. Preference is made to the PSA system due to more robust equipment and lower operating and investment costs. The nitrogen will be required to purge piping and vessels. The Nitrogen generation system will supply its own air using a single screw-type compressor.

Nitrogen at 99% v/v N2 purity will be supplied at a pressure of 8 bar(g). The system will be sized based on three successive pressurisation and depressurisation cycles, where each cycle is limited to 24 hours.

5.4 Telecommunications

External telecommunications needs for the operational phase, including voice and data transmission, will be provided by through a local communications carrier. Additional systems will be installed for localised and internal site communications such as very high frequency ship-to-shore radios and ultra high frequency land mobile radios. The ultra high frequency service will be provided for facility operational use, and the very high frequency service will be provided for carrier, tanker, tug and supply boat communications. The telecommunications system will conform to current regulatory standards.

5.5 Safety and Security Systems

The Company will apply Safety Best Practice to implement in all operation activities and will maintain this high safety standard at all time. The company will establish the safety figure as one of the important indicator for this facility and will cascade down to all individual workforces as one of their performance indicator.

The company will install triple security CCTV along the entire facility and the security team will monitor 24 hours. There will be the guards in all control and restricted areas.

5.6 Buildings

The following buildings to be required onsite for the operation of the facility:

- Operations control room
- Administration and medical offices
- Maintenance building
- Laboratory
- Compressor control building
- Warehouses
- Guard house
- Electrical substations
- Safety and Fire Fighting buildings
- Waterfront and customs office

5.7 Power Generation

3,000 kVa LPG fuelled generators operating in a 2 running and 1 standby configuration are recommended for permanent and backup electricity supply. The justification for this comes on the back of expected power outages that occur in Myanmar and the requirement that the facility should help boost security of supply to Myanmar.

The facility will utilise power generation using mainly LPG in order to be self-sufficient in power requirements. Electrical power will be generated onsite to supply electricity for the whole facility covered all areas. The generators with dedicated battery systems will be provided an essential power supply. An emergency backup power system will be provided by a battery backed uninterruptible power supply.

Power Supply Details:	
Phase	3 Phase

Frequency	50 Hz
Supply System	3,000 kVA (in-plant generation in a 100% duty standby configuration, generators to be driven by LPG fuelled engines)
Emergency Power Supply (Note 1)	Emergency power shall be generated within the Loading and Storage facility. It shall be suitable and adequate for the Loading and Storage Facility safe shutdown.

Notes:
1. Emergency power load shall also include 20% of the total lighting load.

Distribution:

Service	AC/DC	Power Range	Voltage	Phase	Frequency	Remarks
Motors Low Voltage	AC	Up to 90 kW	380 V	3	50	
Motors High Voltage	AC	Above 90 kW	6,600 V	3	50	
Lighting	AC	-	220 V	1	50	Note 1
Instruments	AC		220 V	1	50	
	DC		24 V	1	50	UPS Backup
Transformer Type						

Notes:
1. Fluorescent lighting shall be provided in control room, substation and at the LPG Loading Buildings. Mercury vapour lighting shall be provided around the Loading and Storage Facility area and street lights. High pressure sodium lighting shall be provided in LPG Ship unloading area.

Fault level	The maximum 3 phase fault level is 1,500 mVA at 3,300 V

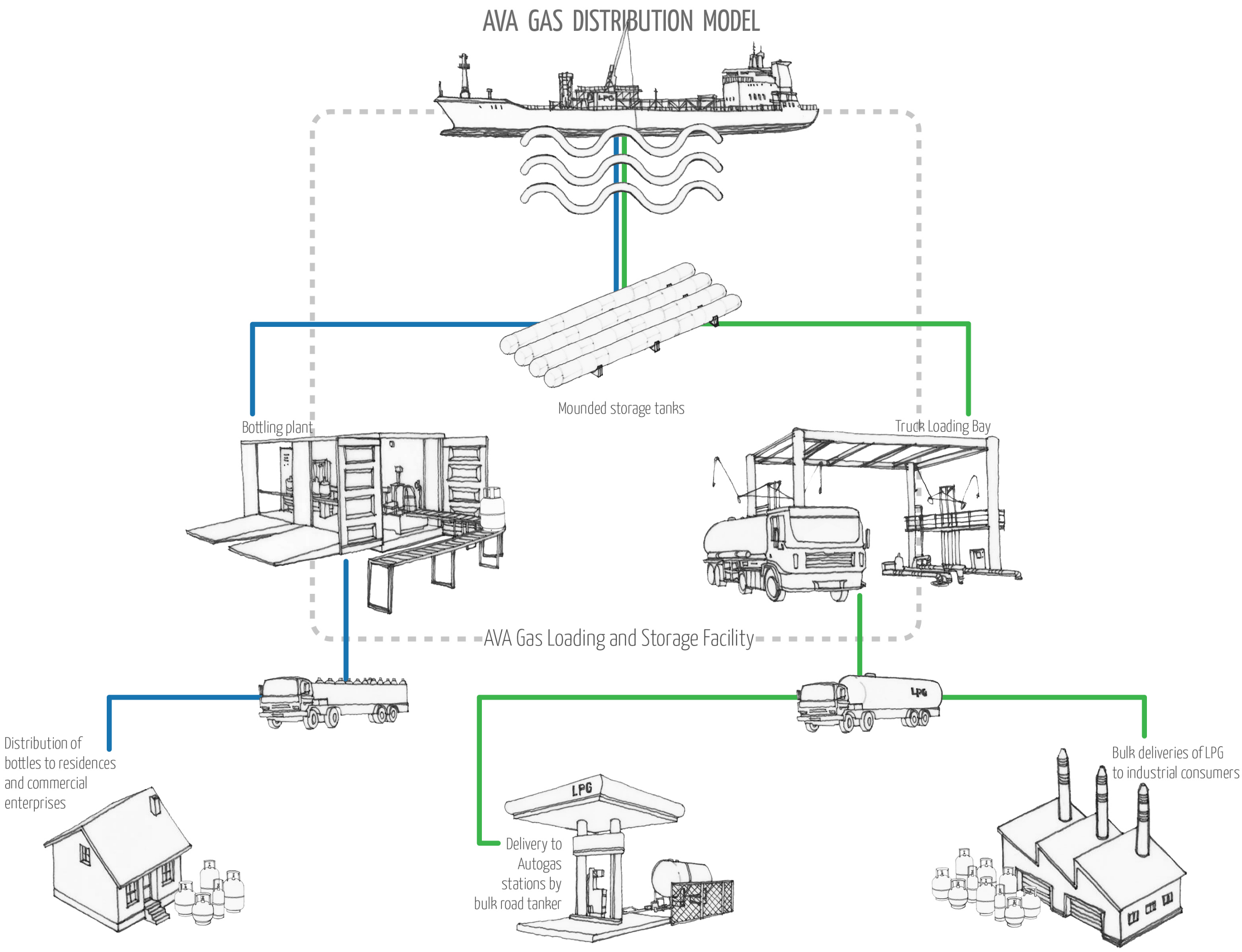
5.8 Shipping Waste

Management of shipping waste, such as wastewater discharges from shipping ballast, will be regulated by the International Convention of Pollution from Ships (MARPOL), as established by International Maritime Organisation. Additionally, the company will establish their own marine vetting standard. This is a standard for ship vetting and LPG Unloading Arm facility clearance for ship or vessels that load and unload at a facility operated by the company. This is to ensure prudent management of marine risk.

5.9 Maintenance Cycle

The standard 4-year turnaround cycle will apply. The maintenance of vessels will be relayed over the 4-year period in order to maintain constant supply to the customers.

6.Scope of Activities



7. Process Flow Diagram

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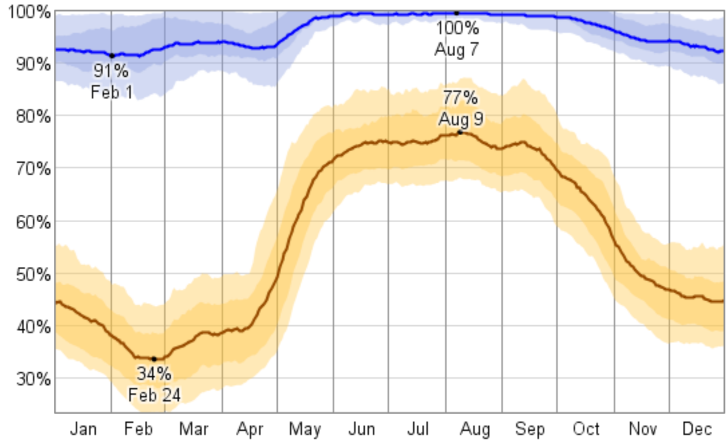
8.0 Climate Data

8.1 Air Temperature and Humidity

Design Condition	Climatic Data		Remarks
Mechanical Design Temperature	Max.	55°C	To be used for Air Conditioning / Ventilation
	Min.	-8°C	
Design Temperature for Cooling Towers & Air-Cooled Exchangers	Ambient Summer Dry-Bulb Temperature	55°C	
	Corresponding Wet-Bulb Temperature	28°C	
Insulation Design Temperature	Hot Insulation	-8°C	
	Cold Insulation	55°C	
Winterising / Tracing Design Temperature	Min.	4°C	
Length of time average temperature stays below 0°C during winter for winterisation /tracing requirement and design	Hrs	N/A	
Relative Humidity Extremes	Min.	62% (Note 1)	To be used for Air Conditioning / Ventilation
	Max.	87%	
Relative Humidity Monthly Average	Max. (Summer)	74%	
	Min. (Winter)	74%	
Monthly Average Ambient Temperature	Max. (Summer)	37°C	
	Min. (Winter)	17.9°C	
Daily Average Ambient Temperature	Max. (Summer)	32.3°C	
	Min. (Winter)	22.6°C	
Elevation Above Mean Sea Level		5 m	

Notes:
1. For blowers design minimum 10% relative humidity shall be used.

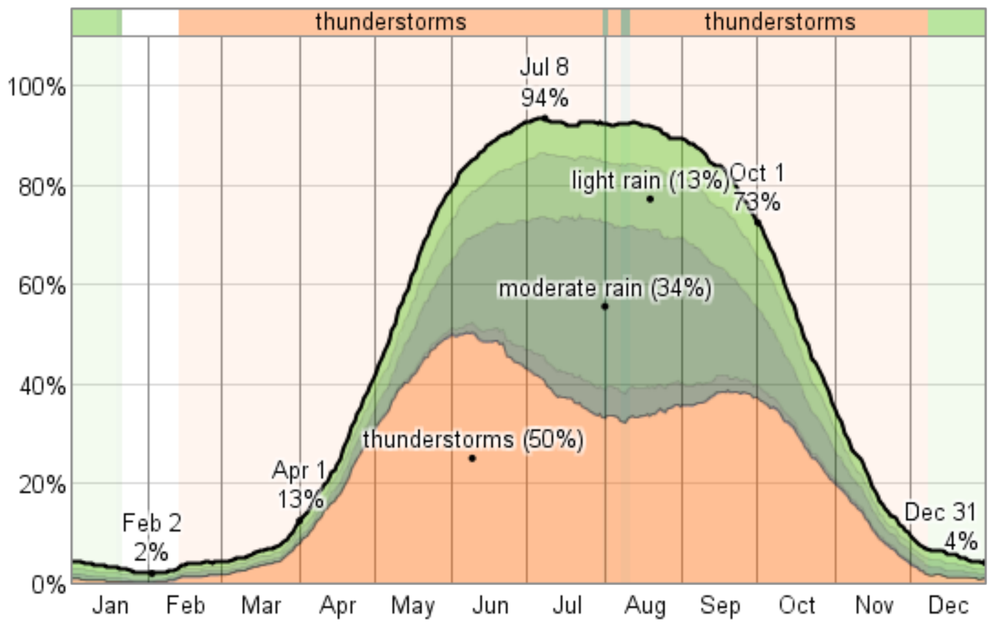
Relative Humidity



8.2 Rainfall Data

		Parameters	Units	Remarks
Annual Average		2,681	mm	
Monthly Average	Min.	5	mm	
	Max.	602	mm	
Rainy Days Average	Min.	0.2	mm	
	Max.	26.2	mm	

Probability of Precipitation

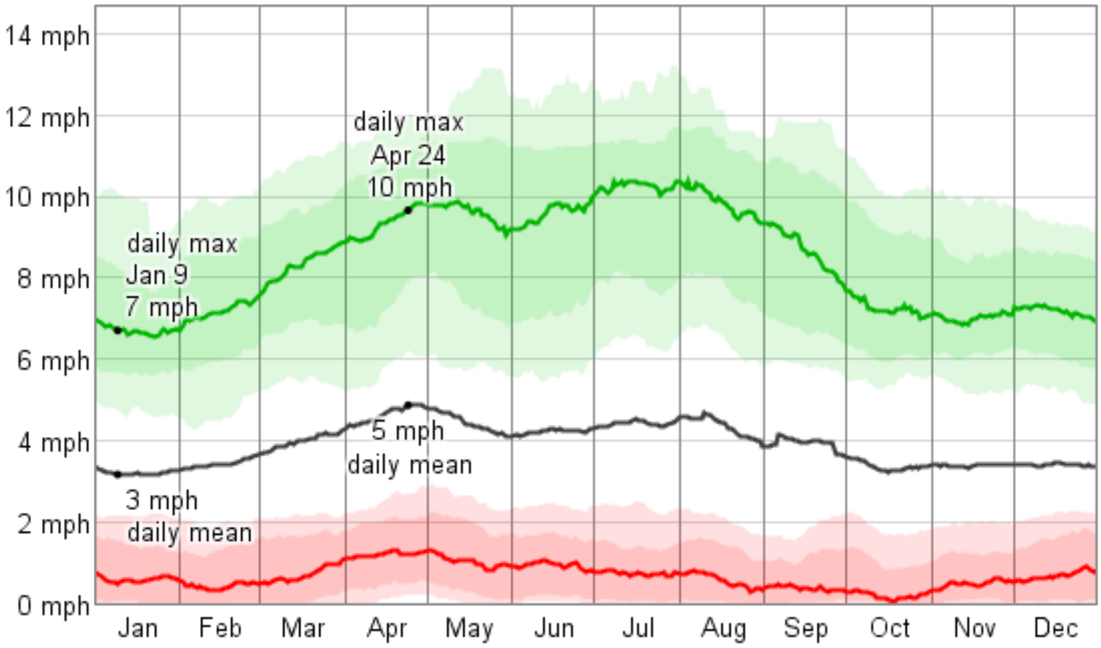


Source. Weatherspark.com

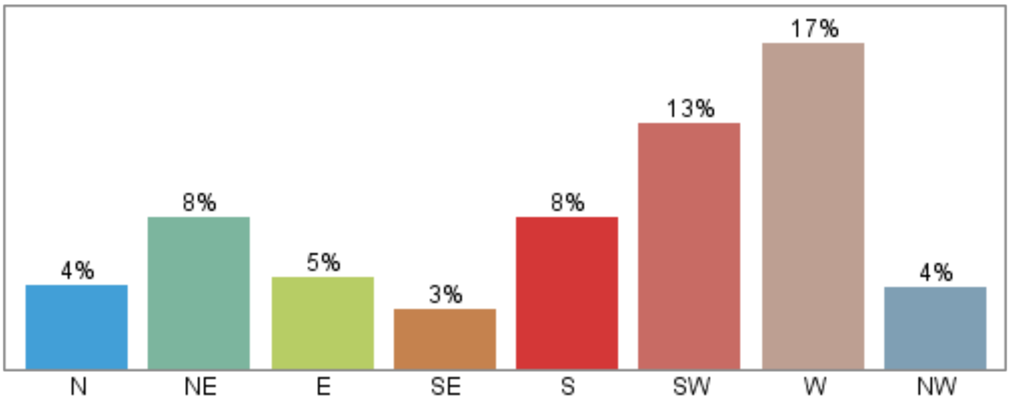
8.3 Wind

	Parameters	Units	Remarks
Maximum Hourly Velocity	6.7	m/s	
Prevailing Wind Direction	W		

Wind Speed



Wind Directions Over the Entire Year



8.4 Barometric Pressure

Min. Barometric Pressure:	1,000 mbar
Max. Barometric Pressure:	1,019 mbar
Average Barometric Pressure:	1,009 mbar
Design Barometric Pressure	1,010.7 mbar

8.5 Solar Heat Flux

Mid day Solar Heat Flux, Maximum:	1,032 kcal/m²h
Solar Heat Flux for Design:	1,032 kcal/m²h

8.6 Seismic Considerations

Seismic zone parameters (earthquake parameters) shall be used in the design.
UBC 97 Zone 1, important factor 1.25.

8.7 Miscellaneous Design Considerations

a) Thunderstorms:

The climate has three seasons, comprising a cool dry winter from November to February, a hot summer from March to May and a wet humid monsoon season from May to October.

b) Sandstorms: Not Applicable

ThyssenKrupp Industrial Solutions (Thailand) Ltd.

ThyssenKrupp

ThyssenKrupp Industrial Solutions (Thailand) Ltd. • Bangkok.

Letter

The Chairman
Myanmar Investment Commission
1 Thitsar Road
Yankin Township
Yangon 11081
Myanmar

Your ref.:
Our ref.: B14-05-96-14832-MIC-L144

Subject: LPG Distribution Facilities, Thilawa Port, Myanmar

November 05, 2015

Dear Sir,

ThyssenKrupp Industrial Solutions (Thailand) Limited is a leading Engineering, Construction and Procurement contractor for Industrial process plants including complex Oil, Gas and Chemical processing, storage and distribution systems.

Our Group has an extensive regional experience in Asia including in Myanmar where in 1985 we successfully completed a fertilizer plant in Kyaw Zwa for Petrochemicals Industrial Corporation with a capacity of 1,000 tons per day.

We attach herein the extensive experience of our parent company in Germany, ThyssenKrupp Industrial Solutions GmbH which details our global experience and capabilities.

We have been working with Ava Kahyasi Investments Ltd Pte of Singapore as they plan to build a facility to receive, store and distribute Liquefied Petroleum Gas in the Thilawa Port in Myanmar and have prepared and submitted various designs, pre-engineering work and cost estimations to them. We stand ready to offer our services in order to realize this valuable project subject to due licenses, approvals and commercial terms being concluded to the satisfaction of all parties concerned.

If you have any questions or require any clarification, please feel free to contact Mr. Thanapong Yol-Aree, Proposal Manager, on the nubmer +66 (0) 2612-8200 Ext 8247 or e-mail Thanapong.Yol-aree@thyssenkrupp.com.

Yours sincerely,

Kitti Wongsinphaiboon
General Manager, Business Development and Sales

Address: Empire Tower 3, 30th Floor, 1 South Sathorn Road, Yannawa, Sathorn, Bangkok 10120, Thailand.
Phone: +66 (0) 2612 8200, Fax: +66 (0) 2612 8290, E-mail: contact.tkisthailand@thyssenkrupp.com
Internet: www.tkisthailand.com

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 3

Economic Justification & Feasibility Study

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

ASIA AVA GAS COMPANY LIMITED

CASH FLOW MODEL FOR MYANMAR LPG TERMINAL

All figures in USD	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Year	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Purchases																	
Domestic LPG Demand Growth (%)		-	100%	25%	34%	25%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Quantity (tons)		60,000	120,000	150,000	200,000	250,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
International LPG Price Variation (%)		0%	-4%	-15%	-13%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Price (CIF YANGON)		1,008	968	823	716	644	644	644	644	644	644	644	644	644	644	644	644
Import Duty (1%)		10	10	8	7	6	6	6	6	6	6	6	6	6	6	6	6
Commercial Tax (5%)		50	48	41	36	32	32	32	32	32	32	32	32	32	32	32	32
Witholding Tax (2%)		20	19	16	14	13	13	13	13	13	13	13	13	13	13	13	13
LPG Price (inclusive of taxes and duty)		1,089	1,045	888	773	696	696	696	696	696	696	696	696	696	696	696	696
Total Tax and Duty		4,838,400	9,289,728	9,870,336	11,449,590	12,880,788	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Total LPG Purchase Expenditure		65,318,400	116,121,600	123,379,200	143,119,872	161,009,856	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827
Total Tax Revenues For The Government		4,838,400	9,289,728	9,870,336	11,449,590	12,880,788	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Operating Expenses																	
Salaries		400,000	428,000	457,960	490,017	524,318	561,021	600,292	642,313	687,274	735,384	735,384	735,384	735,384	735,384	735,384	735,384
Utility Costs		350,000	374,500	400,715	428,765	458,779	490,893	525,256	562,024	601,365	643,461	643,461	643,461	643,461	643,461	643,461	643,461
Consumables		300,000	321,000	343,470	367,513	393,239	420,766	450,219	481,734	515,456	551,538	551,538	551,538	551,538	551,538	551,538	551,538
Spare Parts		450,000	481,500	515,205	551,269	589,858	631,148	675,329	722,602	773,184	827,307	827,307	827,307	827,307	827,307	827,307	827,307
Maintenance & Upgrades		750,000	802,500	858,675	918,782	983,097	1,051,914	1,125,548	1,204,336	1,288,640	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844
Contingency		100,000	80,250	85,868	91,878	98,310	105,191	112,555	120,434	128,864	137,884	137,884	137,884	137,884	137,884	137,884	137,884
Land Lease		0	0	0	150,000	150,000	150,000	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500
Total OPEX		2,350,000	2,487,750	2,661,893	2,848,225	3,047,601	3,260,933	3,646,698	3,890,942	4,152,283	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918
CAPEX (According to BOQ in Proposal)	**60,000,000**																
Sales																	
LPG Sales / Bottles (40 % of Total) / tons		24,000	48,000	60,000	80,000	100,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
LPG Sales / Bulk (60% of Total) / tons		36,000	72,000	90,000	120,000	150,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000
Local Market LPG Price Trend		0.00%	-5.60%	-21.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
LPG Bottle Sales Price (USD / ton)		1,200	1,133	895	895	895	895	895	895	895	895	895	895	895	895	895	895
LPG Bulk Sales Price (USD ton / ton)		1,150	1,086	858	858	858	858	858	858	858	858	858	858	858	858	858	858
Margin per Ton / Bottle Sales		19.05%	17.06%	8.80%	25.06%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%
Margin per ton / Bulk Sales		14%	12%	4%	20%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales Revenue		70,200,000	132,537,600	130,880,880	174,507,840	218,134,800	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760
Commercial Tax on sales (5%)		3,510,000	6,626,880	6,544,044	8,725,392	10,906,740	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088
Pre tax profit	**-60,000,000**	**2,531,600**	**13,928,250**	**4,839,787**	**28,539,743**	**54,077,343**	**65,289,000**	**64,903,235**	**64,658,991**	**64,397,650**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Depreciated CAPEX		12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	0	0	0	0	0	0	0	0	0	0	0
Interest Expense		5,040,000	4,032,000	3,024,000	2,016,000	1,008,000	0	0	0	0	0	0	0	0	0	0	0
Taxable Income	-60,000,000	-14,508,400	-2,103,750	-10,184,213	14,523,743	41,069,343	65,289,000	64,903,235	64,658,991	64,397,650	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015
Gross Revenue		**2,531,600**	**13,928,250**	**4,839,787**	**28,539,743**	**54,077,343**	**65,289,000**	**64,903,235**	**64,658,991**	**64,397,650**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Corporate Tax (25% after 5 year exemption)		0	0	0	0	0	16,322,250	16,225,809	16,164,748	16,099,412	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504
Post Tax Profit	-60,000,000	2,531,600	13,928,250	4,839,787	28,539,743	54,077,343	48,966,750	48,677,426	48,494,243	48,298,237	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511
Debt Servicing & Tax																	
Interest Expense		5,040,000	4,032,000	3,024,000	2,016,000	1,008,000	-	-	-	-	-	-	-	-	-	-	-
Principal Repayment		8,400,000	8,400,000	8,400,000	8,400,000	8,400,000	-	-	-	-	-	-	-	-	-	-	-
Profit After Debt Servicing and Tax	-60,000,000	**-10,908,400**	**1,496,250**	**-6,584,213**	**18,123,743**	**44,669,343**	**48,966,750**	**48,677,426**	**48,494,243**	**48,298,237**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**
CSR Expenditure	-1200000	-218,168	29,925	-131,684	362,475	893,387	979335.0004	973548.521	969884.863	965964.749	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227

Levered Ratios	
INTERNAL RATE OF RETURN (IRR)	**28%**
Net Present Value (NPV)	**$170,164,894**
Pay Back Period	**5 years 9 months**

Net Cashflow at end of year 6	35,763,474
% of Total Cashflow for Year 6	73%
Pay Back Months in Year 6	9

ASIA AVA GAS COMPANY LIMITED

CASH FLOW MODEL FOR MYANMAR LPG TERMINAL

All figures in USD	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**
Year	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**
Purchases																	
Domestic LPG Demand Growth (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Quantity (tons)	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
International LPG Price Variation (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Price (CIF YANGON)	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644
Import Duty (1%)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Commercial Tax (5%)	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Witholding Tax (2%)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
LPG Price (inclusive of taxes and duty)	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696
Total Tax and Duty	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Total LPG Purchase Expenditure	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827
Total Tax Revenues For The Government	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Operating Expenses																	
Salaries	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384
Utility Costs	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461
Consumables	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538
Spare Parts	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307
Maintenance & Upgrades	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844
Contingency	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884
Land Lease	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500
Total OPEX	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918
CAPEX (According to BOQ in Proposal)																	
Sales																	
LPG Sales / Bottles (40 % of Total) / tons	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
LPG Sales / Bulk (60% of Total) / tons	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000
Local Market LPG Price Trend	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
LPG Bottle Sales Price (USD / ton)	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895
LPG Bulk Sales Price (USD ton / ton)	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
Margin per Ton / Bottle Sales	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%
Margin per ton / Bulk Sales	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales Revenue	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760
Commercial Tax on sales (5%)	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088
Pre tax profit	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Depreciated CAPEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxable Income	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015
Gross Revenue	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Corporate Tax (25% after 5 year exemption)	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504
Post Tax Profit	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511
Debt Servicing & Tax																	
Interest Expense	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Repayment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Profit After Debt Servicing and Tax	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**
CSR Expenditure	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227

Levered Ratios

INTERNAL RATE OF RETURN (IRR)

Net Present Value (NPV)

Pay Back Period

ASIA AVA GAS COMPANY LIMITED

CASH FLOW MODEL FOR MYANMAR LPG TERMINAL

All figures in USD	**2050**	**2051**	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Year	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**
Purchases																	
Domestic LPG Demand Growth (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Quantity (tons)	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
International LPG Price Variation (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LPG Purchase Price (CIF YANGON)	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644
Import Duty (1%)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Commercial Tax (5%)	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Witholding Tax (2%)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
LPG Price (inclusive of taxes and duty)	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696
Total Tax and Duty	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Total LPG Purchase Expenditure	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827	193,211,827
Total Tax Revenues For The Government	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946	15,456,946
Operating Expenses																	
Salaries	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384	735,384
Utility Costs	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461	643,461
Consumables	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538	551,538
Spare Parts	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307	827,307
Maintenance & Upgrades	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844	1,378,844
Contingency	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884	137,884
Land Lease	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500	157,500
Total OPEX	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918	4,431,918
CAPEX (According to BOQ in Proposal)																	
Sales																	
LPG Sales / Bottles (40 % of Total) / tons	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
LPG Sales / Bulk (60% of Total) / tons	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000
Local Market LPG Price Trend	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
LPG Bottle Sales Price (USD / ton)	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895
LPG Bulk Sales Price (USD ton / ton)	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
Margin per Ton / Bottle Sales	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%	38.95%
Margin per ton / Bulk Sales	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales Revenue	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760	261,761,760
Commercial Tax on sales (5%)	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088	13,088,088
Pre tax profit	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Depreciated CAPEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxable Income	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015	64,118,015
Gross Revenue	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**	**64,118,015**
Corporate Tax (25% after 5 year exemption)	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504	16,029,504
Post Tax Profit	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511	48,088,511
Debt Servicing & Tax																	
Interest Expense	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Repayment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Profit After Debt Servicing and Tax	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**	**48,088,511**
CSR Expenditure	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227	961770.227

Levered Ratios

INTERNAL RATE OF RETURN (IRR)

Net Present Value (NPV)

Pay Back Period

50 YEAR FINANCIAL MODEL

CAPEX BREAKDOWN	Value
Land Provision	3,500,000
Licensing Cost	500,000
Project Development Expenses	1,000,000
Process Equipment Procurement	5,500,000
Bulk Materials Procurement	3,500,000
Offshore Civil Works	6,500,000
Onshore Civil Works	6,500,000
Electromechanical Works	2,500,000
Detailed Design	1,000,000
Engineering, Procurement, Construction & Management Cost	2,000,000
Mobilisation	500,000
Contingency	2,500,000
TOTAL	**60,000,000**

All figures presented in USD

DEBT STRUCTURE

Leverage Ratio	70%
Interest Rate	12% *
Loan Repayment Period	5 Years
Loan Grace Period	1 Year

* Basis 1 year Myanmar Central Bank base rate of 9.75 %

Debt Repayment Schedule

Year	*Amount Outstanding*	*Principal Repayment*	*Interest Payment*
1	42,000,000	8,400,000	5,040,000
2	33,600,000	8,400,000	4,032,000
3	25,200,000	8,400,000	3,024,000
4	16,800,000	8,400,000	2,016,000
5	8,400,000	8,400,000	1,008,000

ASIA AVA GAS COMPANY LIMITED
INTERNAL RATE OF RETURN

YEAR	INVESTMENT	NET PROFIT	DEPRECIATION	CASH FLOW
	US$	US$	US$	US$
0	(60,000,000)	-	-	(60,000,000)
1		(10,908,400)		(10,908,400)
2		1,496,250		1,496,250
3		(6,584,213)		(6,584,213)
4		18,123,743		18,123,743
5		44,669,343		44,669,343
6		48,966,750	-	48,966,750
7		48,677,426	-	48,677,426
8		48,494,243	-	48,494,243
9		48,088,511	-	48,088,511
10		48,088,511	-	48,088,511
11		48,088,511	-	48,088,511
12		48,088,511	-	48,088,511
13		48,088,511	-	48,088,511
14		48,088,511	-	48,088,511
15		48,088,511	-	48,088,511
16		48,088,511	-	48,088,511
17		48,088,511	-	48,088,511
18		48,088,511	-	48,088,511
19		48,088,511	-	48,088,511
20		48,088,511	-	48,088,511
21		48,088,511	-	48,088,511
22		48,088,511	-	48,088,511
23		48,088,511	-	48,088,511
24		48,088,511	-	48,088,511
25		48,088,511	-	48,088,511
26		48,088,511	-	48,088,511
27		48,088,511	-	48,088,511
28		48,088,511	-	48,088,511
29		48,088,511	-	48,088,511
30		48,088,511	-	48,088,511
31		48,088,511		48,088,511
32		48,088,511		48,088,511
33		48,088,511		48,088,511
34		48,088,511		48,088,511
35		48,088,511		48,088,511
36		48,088,511		48,088,511
37		48,088,511		48,088,511
38		48,088,511		48,088,511
39		48,088,511		48,088,511
40		48,088,511		48,088,511
41		48,088,511		48,088,511
42		48,088,511		48,088,511
43		48,088,511		48,088,511
44		48,088,511		48,088,511
45		48,088,511		48,088,511
46		48,088,511		48,088,511
47		48,088,511		48,088,511
48		48,088,511		48,088,511
49		48,088,511		48,088,511
50		48,088,511		48,088,511
		TOTAL NET CASHFLOW		**2,152,652,620**
		INTERNAL RATE OF RETURN		**28%**

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 4

Employment Opportunities

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

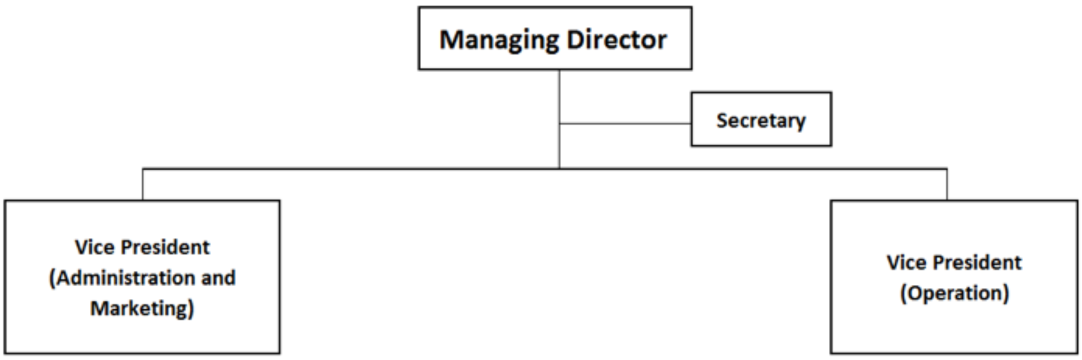
EMPLOYMENT OPPORTUNITIES

A workforce of approximately 102 is estimated to operate this LPG Storage and Distribution Facility at the designed facility capacity. Total workforces will be split between two different kinds of work, either an eight hour day shift, or an eight hour rotating shift.

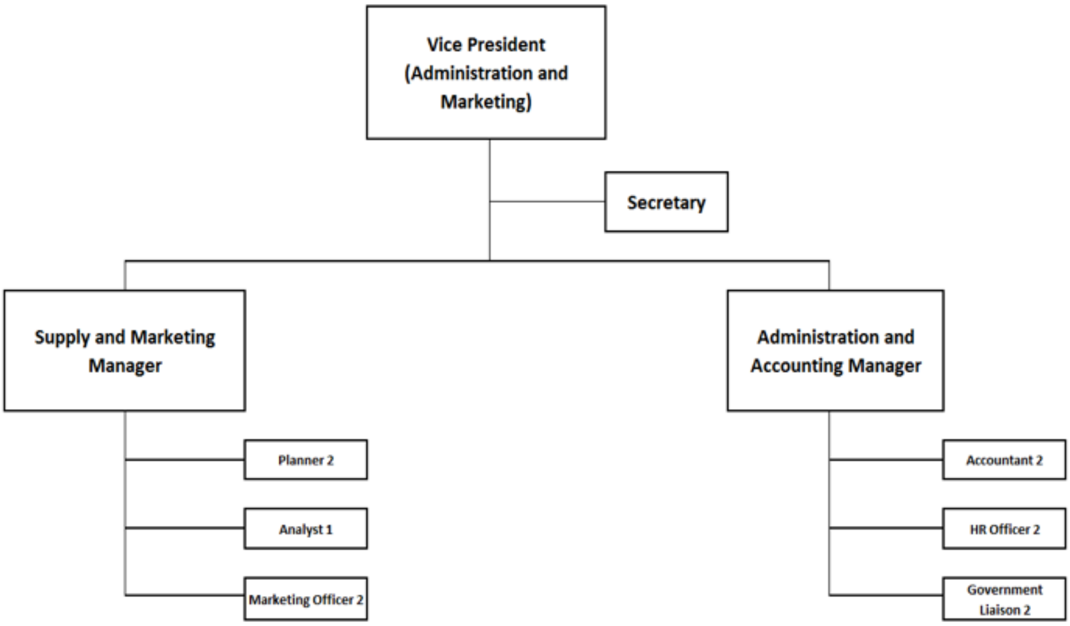
Additional personnel will be required during major maintenance activities. Major shutdowns are generally scheduled every 4 or 5 years and this additional temporary workforce will be required depending on scope of work. Minor shutdowns may occur more frequently and will also require an additional temporary staff to resolve the problem.

COMPANY ORGANISATION

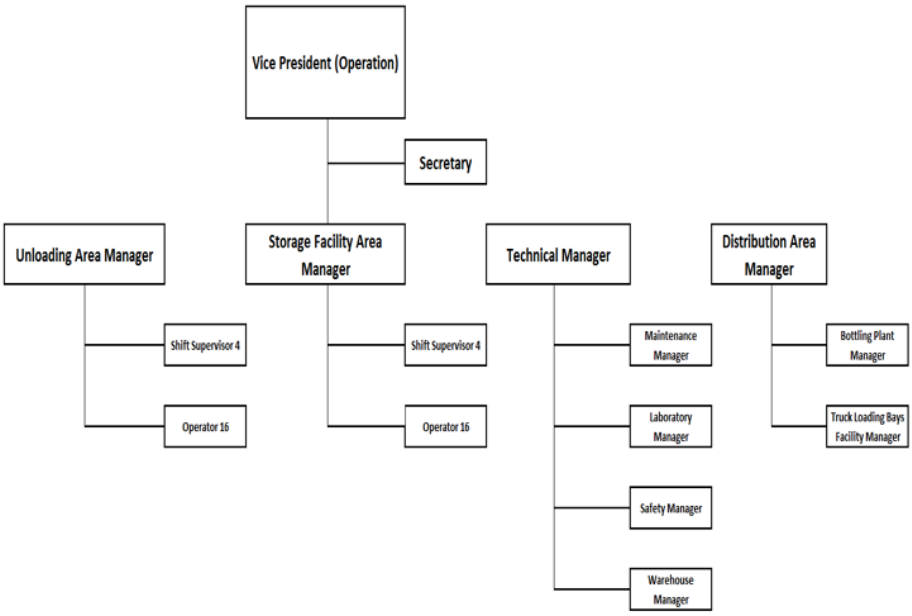
SENIOR MANAGEMENT

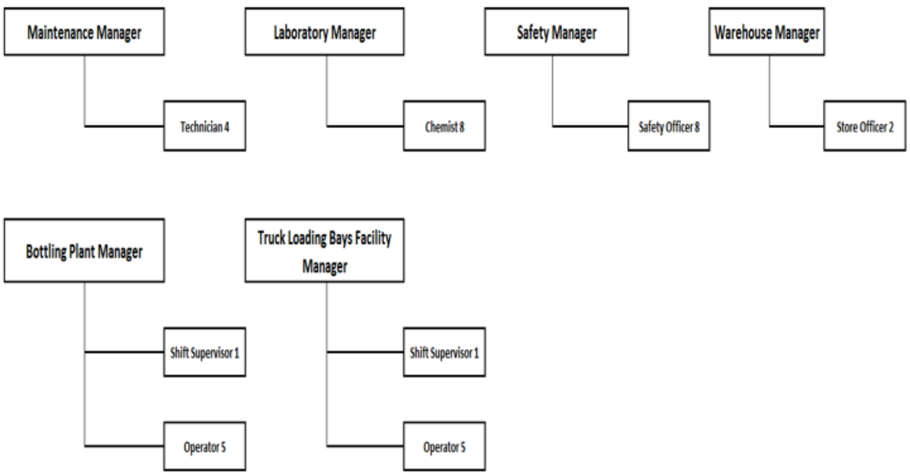


ADMINISTRATION & MARKETING



OPERATIONS


Vice President (Operation)
Secretary
Unloading Area Manager
Storage Facility Area Manager
Technical Manager
Distribution Area Manager
Shift Supervisor 4
Operator 16
Shift Supervisor 4
Operator 16
Maintenance Manager
Laboratory Manager
Safety Manager
Warehouse Manager
Bottling Plant Manager
Truck Loading Bays Facility Manager


Maintenance Manager
Technician 4
Laboratory Manager
Chemist 8
Safety Manager
Safety Officer 8
Warehouse Manager
Store Officer 2
Bottling Plant Manager
Shift Supervisor 1
Operator 5
Truck Loading Bays Facility Manager
Shift Supervisor 1
Operator 5

AVA GAS COMPANY LIMITED

Employment Statement

Year	2016			2017			2018			2019			
	Number	Annual Salary	Total	Number	Annual Salary	Total	Number	Annual Salary	Total	Number	Annual Salary	Total	Number
Total Employees, Staffs	**102**			**102**			**102**			**102**			**102**
Foreign Employment, USD													
Managing Diector	1	30,000	30,000	1	30,600	30,600	1	31,440	31,440	1	33,286	33,286	1
Vice President	2	18,000	18,000										
Supply and Marketing Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Administration and Accounting Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Unloading Area Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Storage Facility Mnager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Technical Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	
Distribution Area Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	
Maintenance Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	
Laboratory Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	
Safety Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	
Warehouse Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Bottling Plant Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Truck Loading Bay Facility Manager	1	9,000	9,000	1	9,450	9,450	1	9,930	9,930	1	10,500	10,500	1
Supervisor			-										
Total Foreign Employees	**15**			**13**			**13**			**13**			**8**
Total Foreigner Salaries			156,000			144,000			150,600			159,286	
Salary Proportion, %			39%			34%			33%			33%	
Local Employment, USD													
Managing Diector			-										
Vice President			-	2	6,000	12,000	2	6,180	12,360	2	6,365	12,731	2
Supply and Marketing Manager			-										
Administration and Accounting Manager			-										
Unloading Area Manager			-										
Storage Facility Manager			-										
Technical Manager			-										1
Distribution Area Manager			-										1
Maintenance Manager			-										1
Laboratory Manager			-										1
Safety Manager			-										1
Warehouse Manager			-										
Bottling Plant Manager			-										
Truck Loading Bay Facility Manager			-										
Supervisor	10	4,600	46,000	10	5,000	50,000	10	5,500	55,000	10	6,000	60,000	10
Operator	42	2,619	110,000	42	2,857	120,000	42	3,095	130,000	42	3,333	140,000	42
Technician	4	3,250	13,000	4	3,500	14,000	4	3,750	15,000	4	4,000	16,000	4
Chemist	8	2,625	21,000	8	2,813	22,500	8	3,000	24,000	8	3,188	25,500	8
Safety Officer	8	2,625	21,000	8	2,813	22,500	8	3,000	24,000	8	3,188	25,500	8
Store Officer	2	3,000	6,000	2	3,250	6,500	2	3,500	7,000	2	3,750	7,500	2
Planner	2	3,000	6,000	2	3,250	6,500	2	3,500	7,000	2	3,750	7,500	2
Analyst	1	3,500	3,500	1	5,000	5,000	1	5,500	5,500	1	6,000	6,000	1
Marketing Officer	2	1,750	3,500	2	2,500	5,000	2	2,750	5,500	2	3,000	6,000	2
Accountant	2	1,750	3,500	2	2,500	5,000	2	2,750	5,500	2	3,000	6,000	2
HR Officer	2	1,750	3,500	2	2,500	5,000	2	2,750	5,500	2	3,000	6,000	2
Government Liaison	2	1,750	3,500	2	2,500	5,000	2	2,750	5,500	2	3,000	6,000	2
Secretary	2	1,750	3,500	2	2,500	5,000	2	2,750	5,500	2	3,000	6,000	2
Total Local Employees	**87**			**89**			**89**			**89**			**94**
Total Local Salaries			244,000			284,000			307,360			330,731	
Salary Proportion, %			61%			66%			67%			67%	
Total Salaries, USD			400,000			428,000			457,960			490,017	

AVA GAS COMPANY LIMITED

Employment Statement

Year	2020		2021			2022			2023			2024	
	Annual Salary	Total	Number	Annual Salary	Total	Number	Annual Salary	Total	Number	Annual Salary	Total	Number	Annual Salary
Total Employees, Staffs			**102**			**102**			**102**			**102**	
Foreign Employment, USD													
Managing Diector	33,968	33,968	1	34,771	34,771	1	35,465	35,465	1	39,096	39,096	1	41,113
Vice President													
Supply and Marketing Manager	11,050	11,050	1	12,050	12,050								
Administration and Accounting Manager	11,050	11,050	1	12,050	12,050	1	13,000	13,000	1	15,000	15,000	1	18,000
Unloading Area Manager	11,050	11,050	1	12,050	12,050	1	13,000	13,000	1	15,000	15,000		
Storage Facility Mnager	11,050	11,050	1	12,050	12,050	1	13,000	13,000	1	15,000	15,000		
Technical Manager													
Distribution Area Manager													
Maintenance Manager													
Laboratory Manager													
Safety Manager													
Warehouse Manager	11,050	11,050	1	12,050	12,050								
Bottling Plant Manager	11,050	11,050	1	12,050	12,050								
Truck Loading Bay Facility Manager	11,050	11,050	1	12,050	12,050								
Supervisor													
Total Foreign Employees			**8**			**4**			**4**			**2**	
Total Foreigner Salaries		111,318			119,121			74,465			84,096		
Salary Proportion, %		21%			21%			12%			13%		
Local Employment, USD													
Managing Diector													
Vice President	6,500	13,000	2	6,700	13,400	2	6,901	13,802	2	7,108	14,216	2	8,500
Supply and Marketing Manager						1	12,500	12,500	1	13,125	13,125	1	13,781
Administration and Accounting Manager													
Unloading Area Manager												1	15,000
Storage Facility Manager												1	15,000
Technical Manager	11,500	11,500	1	12,100	12,100	1	12,705	12,705	1	13,340	13,340	1	14,007
Distribution Area Manager	11,500	11,500	1	12,100	12,100	1	12,705	12,705	1	13,340	13,340	1	14,007
Maintenance Manager	11,500	11,500	1	12,100	12,100	1	12,705	12,705	1	13,340	13,340	1	14,007
Laboratory Manager	11,500	11,500	1	12,100	12,100	1	12,705	12,705	1	13,340	13,340	1	14,007
Safety Manager	11,500	11,500	1	12,100	12,100	1	12,705	12,705	1	13,340	13,340	1	14,007
Warehouse Manager						1	12,500	12,500	1	13,125	13,125	1	13,781
Bottling Plant Manager						1	12,500	12,500	1	13,125	13,125	1	13,781
Truck Loading Bay Facility Manager						1	12,500	12,500	1	13,125	13,125	1	13,781
Supervisor	6,500	65,000	10	7,000	70,000	10	7,500	75,000	10	8,000	80,000	10	8,600
Operator	3,571	150,000	42	3,810	160,000	42	4,048	170,000	42	4,310	181,000	42	4,786
Technician	4,250	17,000	4	4,500	18,000	4	4,875	19,500	4	5,250	21,000	4	5,500
Chemist	3,375	27,000	8	3,625	29,000	8	3,875	31,000	8	4,125	33,000	8	4,388
Safety Officer	3,375	27,000	8	3,625	29,000	8	3,875	31,000	8	4,125	33,000	8	4,388
Store Officer	4,000	8,000	2	4,250	8,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Planner	4,000	8,000	2	4,250	8,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Analyst	6,750	6,750	1	7,500	7,500	1	9,000	9,000	1	9,600	9,600	1	9,600
Marketing Officer	3,375	6,750	2	3,750	7,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Accountant	3,375	6,750	2	3,750	7,500	2	4,500	9,000	2	4,800	9,600	2	4,800
HR Officer	3,375	6,750	2	3,750	7,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Government Liaison	3,375	6,750	2	3,750	7,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Secretary	3,375	6,750	2	3,750	7,500	2	4,500	9,000	2	4,800	9,600	2	4,800
Total Local Employees			**94**			**98**			**98**			**100**	
Total Local Salaries		413,000			441,900			525,827			558,217		
Salary Proportion, %		79%			79%			88%			87%		
Total Salaries, USD		524,318			561,021			600,292			642,313		

AVA GAS COMPANY LIMITED

Employment Statement

Year		2025		
	Total	Number	Annual Salary	Total
Total Employees, Staffs		**102**		
Foreign Employment, USD				
Managing Diector	41,113	1	43,000	43,000
Vice President				
Supply and Marketing Manager				
Administration and Accounting Manager	18,000	1	20,000	20,000
Unloading Area Manager				
Storage Facility Mnager				
Technical Manager				
Distribution Area Manager				
Maintenance Manager				
Laboratory Manager				
Safety Manager				
Warehouse Manager				
Bottling Plant Manager				
Truck Loading Bay Facility Manager				
Supervisor				
Total Foreign Employees		**2**		**2**
Total Foreigner Salaries	59,113			63,000
Salary Proportion, %	9%			9%
Local Employment, USD				
Managing Diector				
Vice President	17,000	2	9,483	18,965
Supply and Marketing Manager	13,781	1	14,470	14,470
Administration and Accounting Manager				
Unloading Area Manager	15,000	1	15,000	15,000
Storage Facility Manager	15,000	1	15,000	15,000
Technical Manager	14,007	1	14,708	14,708
Distribution Area Manager	14,007	1	14,708	14,708
Maintenance Manager	14,007	1	14,708	14,708
Laboratory Manager	14,007	1	14,708	14,708
Safety Manager	14,007	1	14,708	14,708
Warehouse Manager	13,781	1	14,470	14,470
Bottling Plant Manager	13,781	1	14,470	14,470
Truck Loading Bay Facility Manager	13,781	1	14,470	14,470
Supervisor	86,000	10	9,200	92,000
Operator	201,000	42	5,310	223,000
Technician	22,000	4	5,500	22,000
Chemist	35,100	8	4,388	35,100
Safety Officer	35,100	8	4,388	35,100
Store Officer	9,600	2	5,300	10,600
Planner	9,600	2	5,300	10,600
Analyst	9,600	1	10,600	10,600
Marketing Officer	9,600	2	5,300	10,600
Accountant	9,600	2	5,300	10,600
HR Officer	9,600	2	5,300	10,600
Government Liaison	9,600	2	5,300	10,600
Secretary	9,600	2	5,300	10,600
Total Local Employees		**100**		
Total Local Salaries	628,161			672,384
Salary Proportion, %	91%			91%
Total Salaries, USD	687,274			735,384

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 5

List of Machinery, Building Materials and Raw Materials to be used in the proposed investment

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

ThyssenKrupp Industrial Solutions	COST ESTIMATE REPORT	Client / Project **Thaynlin Loading and Storage Facility**	
		UAN **05-96-14832**	Attached pages total 1 of 11

COST ESTIMATE REPORT

Rev	Status	Description	Date	Prepared	Date	Checked	Date	Approved	Acc.
C	C	Update site location	15-03-16	TY	15-03-16	PM	15-03-16	KW	
B	C	Update name change	06-11-14	TY	06-11-14	PM	06-11-14	KW	
A	C	Issue for review	20-9-13	TY	20-9-13	PM	20-9-13	KW	

CC Category Code:
1 = for approval
2 = for review
3 = for record
4 = for internal use

AC Acceptance Code:
1 = approved / reviewed
2 = approved / reviewed as noted
3 = not accepted
4 = received

Status Code:
A Issued for Information
B Issued for Design
C Issued for Review
D Issued for Approval
E Issued for Internal Use
F Issued for Inquiry
G Issued for order placement
I = As- built
M = General Issue

Doc. ID-Code
UT-PM-000-BD-0001

Category
4

CONTENTS

1 INTRODUCTION

Ava Kahyasi Investments Pte Ltd intends to develop a new LPG Import and storage facility (the Project) with storage capacity of 3,000 MT, to be located in Thaynlin, Myanmar. The facility will receive 3,000MT of pressurized LPG per month by ship, where it will be stored before being distributed by tanker trucks and bottled to supply the need of the local market.

The new facility will include the following units:

a) Unloading Facility complete with furniture capable of receiving pressurized storage vessels up to 3,000 MT. The Unloading Facility is to be provided with a hydraulically operated liquid unloading arm, complete with vapour return system.

b) 3,000 MT bulk storage in buried bullets.

c) 2,000 MT / Month truck loading gantry, with 3 operating stations and 1 standby. The loading gantry will have a total design capacity in excess of 11,000 MT / Month if all stations are operating continuously.

d) 1,000 MT/ Month LPG containerized bottling plant, complete with bottle washing, testing and purging. The plant is of modular design such that it can be relocated at a later date.

TKIS has assisted Ava Kahyasi Investments Pte Ltd to perform the following works:

a) Perform a preliminary Front End Engineering Design (FEED) for Facility including all required utilities and off-plot facilities to support the new facility;

b) Prepare a ±20% Capital Cost Estimate for the implementation phase of the project.

This document presents TKIS capital cost estimate and also provides an overview of the estimating method which TKIS has applied in developing the capital cost estimate, and project considerations.

2 SUMMARY

Capital Cost Estimate for the Project is based on Conceptual FEED which developed by TKIS. The cost estimate is summarized as the following table (refer attachment for more details) in US Dollar at a cost level of 1st quarter 2014 and reflects the cost of construction in Myanmar.

DESCRIPTION	COST (USD)
1. Equipment	12,440,000
2. Bulk Material	7,600,000
3. Shipping & Freight	2,056,000
4. Construction	20,610,000
5. Engineering, Procurement ,Construction Management and Commissioning Support Services	4,530,000
6. Site Temporary Facilities and Running Cost	1,000,000
7. Escalation and Other Indirect Costs	3,160,000
SUBTOTAL	**51,400,000**
Contingency (7 %)	3,600,000
TOTAL PROJECT COST (CAPEX)	**55,000,000**

The process utility consumption figures for the Project need to be reviewed and agreed in the later phase.

3 SCOPE OF WORK

The scope of work is to provide a Capital Cost Estimate with an accuracy target range +/-20% overall, though not on individual units, system or line items, for the complete plant based on the plant capacity and location provided by Ava Kahyasi Investments Pte Ltd.

The objective of this cost estimate is to develop a screening level estimate to support Ava Kahyasi Investments Pte Ltd’s decision for the next step.

The following costs are NOT considered in the Capital Cost Estimate;

- Environmental Impact Assessment (EIA) and Health Impact Assessment (HIA) preparation
- Acquisition of permits, local authority approval and licenses required in

relation with construction or operation of the plant.

- Land costs
- Soil investigation costs
- Topographic survey and bathymetric survey costs
- Import taxes and duties for imported materials (MIC exemption)
- Any marine work besides the unloading facility structure and associated equipment
- LPG and utilities for commissioning and start up cost
- Currency fluctuation/currency exchange risks
- Any local taxes besides withholding tax.
- Typical Owner’s costs.

The 'Base Currency' of the Capital Cost Estimate is United States Dollar (USD). The estimate does not consider any currency fluctuation, the following currency exchange rates have been used in this estimate, based on weighted –average selling rates advised by Bank of Thailand (BOT) in September 2013 as follows.

1 USD = 31.5 THB

1 Euro = 42.7 THB

1 JPY = 0.323 THB

1 GBP = 50.91THB

It should be acknowledged that the conclusion of this report is preliminary in nature as no basic and detailed engineering has been undertaken.

The business and/or project risks due to financial standing, legal status and integrity during the currency of the project and applicable laws, etc, are outside of this study and will not be considered by this report.

4 COST ESTIMATE BASIS AND STRUCTURE

The Capital Cost Estimate is made up from direct and indirect costs;

Direct costs include equipment, bulk materials, shipping & freight and costs for construction, labour and materials for civil work and erection cost.

Indirect costs include engineering & procurement, and construction management, site temporary facilities and running cost, escalation, contractor security and insurances and other contractor costs such as contractor's currency hedging cost and taxes outside home country.

The Capital Cost Estimate is based on data developed in the 3rd quarter of 2013 and escalated for execution in 1st quarter of 2014. The Capital Cost Estimate is broken down in the following sections:

- Equipment, Materials and Construction Costs
- Freight & Logistics
- Project Management, Engineering, Procurement, Construction Management and Commissioning Support Services
- Other Costs such as Site Facilities, Security, Insurances and Escalation

Each section shows the build up of the estimate consistent with the typical TKIS Work Breakdown Structure.

4.1 Estimate Scope of Facilities

The scope of work for the estimate is the ISBL and OSBL facilities of the Project with exclusions as stated in this document. Site preparation work shall be done only for the area planned to be utilized except the storage area that will be completely filled for future use.

The basis of the scope of the estimate is design information issued by TKIS in Basis of Design provided to Ava Kahyasi Investments Pte Ltd. The documentation includes Facility PFD and Overall Plot Plan for the new plant scopes. The option of providing unloading booster pump is not included in the estimate.

As limitation of time, TKIS has not endeavoured to optimize the utilities consumption designs at this stage.

Utility consumption and other operating costs are <u>NOT</u> considered for this scope.

4.2 Work Breakdown Structure

The estimate has been prepared on the basis of typical work breakdown structure (WBS) as used by TKIS for similar high level estimates. This WBS includes direct and indirect costs associated with the scope of facilities.

4.3 Estimate Basis

The determination of accuracy of study-type estimates is generally done by direct quantitative determination based on high level unit rates or benchmarking of the

methodology used for development of the costs, based on historical evidence of the achieved accuracy. Due to the nature of the cost estimate and limited time allowed to complete the estimate, indicative cost quoted from vendors and suppliers is utilized for only critical equipment.

Generally the estimating software Aspen Capital Cost Estimator (ACCE) is utilized as a tool to develop some direct costs mainly piping, instrumentation and electrical work. This estimating program is process equipment driven and is capable of quantifying all associated labour and material costs for the supply and installation of each equipment type, based on project specific equipment datasheet information.

The ACCE estimating approach is based on the main equipment items. For each equipment item a standard P&ID and spatial envelope is used to assess the material quantities associated with the equipment. Installation costs estimated by ACCE are adjusted for local rates and productivities in Myanmar. The estimate will be verified against in-house data and available local unit rates.

The location of the proposed plant is provided by Ava Kahyasi Investments Pte Ltd. It is new developed land so it is considered as a Greenfield project.

The accuracy of these estimated figures is considered to be +/- 20%. It would normally be considered that there would be 90% probability of the actual cost being not greater than 120% of the estimated value.

4.4 Equipment Cost

TKIS has prepared the equipment data for key items and produced equipment estimates based on indicative quotation from manufacturers, vendors, ACCE and some in-house data.

The equipment cost has been estimated based on the provided basic design data, adjusted for materials and complexity with corrections for escalation, against TKIS in-house data for like and similar equipment.

4.5 Bulk Material Costs

Civil & Structural

The cost of Civil and Structural is taken from quantities counting and calculated by using local rates and in-house project database adjusted for the project. The material cost for civil and structural work is not identified separately but included in the high level construction unit rates.

Pipe, Fittings and Valves

The cost of Piping and Piping Components is taken from ACCE and adjusted for the project.

Electrical and Instrumentation

Main equipment such as metering has been obtained from vendors. The

remaining costs of Electrical and Instrumentation are taken from ACCE and adjusted for the project.

Spare Part and Vendor Services
The cost of spare part and vendor services are taken as a factor of the equipment and material cost.

4.6 Construction Cost

Equipment installation
The cost of equipment installation is taken as a factor of the equipment cost.

Civil Works and Structural Works
Civil high level unit rates have been derived from local unit rates and other current and like projects in Thailand with adjustment for Myanmar cost. The quantities have been derived from the sized equipment list with typical layouts, and overall plant layout.

As the topographic survey is not available at the time of the issuance of this report, assume the fairly flat area with no rock, boulder or significant clearing required and the average filling thickness is 2 m.

Piping
The cost of Piping installation is taken from ACCE and adjusted for the project.

Electrical & Instrumentation
Electrical & Instrumentation costs are taken from ACCE and adjusted for the project.

Construction Equipment
An allowance for heavy and large item transportation has been included in the freight & logistics cost. Minor construction equipment, small tools, etc. has been allowed for, in related construction cost.

An allowance for heavy lifts has been included in equipment installation cost.

4.7 Freight & Logistics

A freight and logistics allowance has been estimated for all equipment and material originating outside Myanmar. Domestic Freight and Logistics costs are included in the material cost. All equipment for the project and most of materials would be supplied from aboard. An allowance for Freight and Logistics are taken as a factor of the equipment and material costs plus quotation for the cost of sea transportation for bullet vessels.

4.8 Project Management, Engineering, Procurement, Construction Management and Commissioning Support Services

Man hours for Home Office and Site Project & Construction Management, Engineering, Procurement and Commissioning Support Services have been estimated based on the scope of work. Man hour rates applied are all-in rates derived from on-going rates including all travel and accommodation costs and site allowance.

4.9 Other Costs

Site Temporary Facilities and Running Cost
Cost is calculated from in-house data and adjusted for the project.

Escalation
Cost is taken from factoring the direct cost, services and site facilities costs.

Other Contractor Costs, Contractor Security and Stamp Duty, Contractor Insurances
Cost is taken from factoring the direct cost, services and site facilities costs.

4.10 Qualifications and Exclusions

Qualifications

- The defined scope will be up to the boundary lines of the plant.
- No connection to the public utilities is required.
- The site construction schedule is for 18 months with total project duration of 20 months plus additional 2 months allowance for commissioning support.
- Access will be available for heavy equipment movement. No access improvement is required.
- An allowance has been included for the development of site facilities and construction consumables. This includes temporary construction facilities (Field Office Trailers, Craft Supervision Trailers, Warehouse, Lay down Areas, Parking Areas), Construction Equipment, Construction utilities.
- No allowance has been included for telecommunication and intranet with computer land systems.
- No allowance has been included for surveillance and security system.
- Allowance has been included for vendor support.
- Testing and pre-commissioning are included.

General Exclusions

Typical Owner's costs are listed in the table below.

Project Development:

- *Land purchase / options / rezoning*
- *Transmission / gas pipeline rights of way*
- *Road modifications / upgrades*
- *Demolition (if applicable}*
- *Environmental permitting / offsets*
- *Public relations / community development*
- *Legal assistance*

Spare Parts and Plant Equipment:

- *Maintenance equipment*
- *Workshop equipment*

Owner's Project Management:

- *Preparation of bid documents and selection of contractors and suppliers*
- *Provision of project management*
- *Performance of engineering due diligence*
- *Provision of personnel for site construction management*

Financing:

- *Financial advisor, lender's legal, market analyst, and engineer*
- *Interest during construction*
- *Loan administration and commitment fees*
- *Debt service reserve fund*

Plant Start up / Construction Support:

- *Owner's site mobilization*
- *O&M staff training*
- *Consumables*
- *Cost of fuel, feedstock, utilities*

Taxes/Advisory Fees/Legal:

- *Taxes*
- *Market and environmental consultants*
- *Owner's legal expenses:*
  - *Interconnect agreements*
  - *Contracts procurement & construction*
  - *Property transfer*

Owner's Contingency:

- *Owner's uncertainty and costs pending final negotiation:*
- *Unidentified project scope increases*
- *Unidentified project requirements*
- *Costs pending final agreement (e.g., interconnection contract costs)*

4.11 Contingencies

A contingency of 7% is included as a single below the line component to the base estimate.

4.12 Currency of Estimation

Currency of estimation is in United States Dollar (USD).

4.13 Escalation and Estimate Validity Date

The Capital Cost Estimates is based on the 3rd Quarter 2013 pricing data, and vendor- subcontractor budget quote, excludes future escalation. The allowance for escalation of 1.5% is applied to obtain the cost at 1st Quarter 2014.

There has been extreme volatility over the past few years especially in Myanmar. Due to this volatility, it is difficult to provide a clear forecast for such costs over the expected period of development of this project.

5 ATTACHMENTS

Attachment 1 CAPEX Cost Estimate

Client : Ava Kahyasi Investments Pte Ltd
Project : Thaynlin Loading and Storage Facility
Location : Thaynlin, Myanmar
Project No. 05-96-14832
Description : +/- 20% Cost Estimate

Prepared : NW
Checked : TY
Approved :
Date : 19-Sep-13
Rev. : 2

+/- 20% COST ESTIMATE SUMMARY

	Description	MATERIAL (USD)	LABOUR (USD)	INDIRECT (USD)	TOTAL (USD)	%	NOTE
A	**Direct Cost :-**						
1	**Process Units and Utilities :**						
	1.1 Equipment consist of;	12,440,000	750,000		13,190,000	25.7%	
	- Process Units				*Included*		
	- Raw Water Treatment Unit				*Included*		
	- Fire Water System				*Included*		
	- Potable Water System				*Included*		
	- Cooling Water System				*Included*		
	- Plant Air / Instrument Air				*Included*		
	- Nitrogen Supply Unit				*Included*		
	- Waste Water Collection Unit				*Included*		
	- Cold Vent System				*Included*		
	- Electrical Generator System				*Included*		
	Sub-Total	**12,440,000**	**750,000**	**-**	**13,190,000**	**25.7%**	
	1.2 Bulk Materials						
	1.2.1 Civil work	*Included*	8,810,000		8,810,000	17.1%	
	1.2.2 Jetty work	*Included*	9,080,000		9,080,000	17.7%	
	1.2.3 Piping	1,620,000	890,000		2,510,000	4.9%	
	1.2.4 Instrumentation	2,620,000	310,000		2,930,000	5.7%	
	1.2.5 Electrical	2,860,000	720,000		3,580,000	7.0%	
	1.2.6 2 Year Spare Parts	500,000	-		500,000	1.0%	
	1.2.7 Vendor Services	-	50,000		50,000	0.1%	
	Sub-Total	**7,600,000**	**19,860,000**	**-**	**27,460,000**	**53.4%**	
2	**Shipping & Freight**	-	2,060,000		2,060,000	4.0%	
	Sub-Total	**-**	**2,060,000**	**-**	**2,060,000**	**4.0%**	
	Total Direct Cost	**20,040,000**	**22,670,000**	**-**	**42,710,000**	**83.1%**	
B	**Indirect Cost :-**						
	3.1 Engineering, Procurement and Construction Services			4,530,000	4,530,000	8.8%	
	3.2 Construction Management				*Included*		
	3.3 Commissioning supervision				*Included*		
	3.4 Temporary Facilities and Running Cost			1,000,000	1,000,000	1.9%	
	3.5 Import Taxes			-	-	0.0%	(0% rate for MIC promoted project)
	3.6 Escalation to Q1 2014			720,000	*720,000*	1.4%	
	3.7 Other Contractor Costs			1,960,000	1,960,000	3.8%	
	3.8 Contract Security and Stamp Duty			240,000	*240,000*	0.5%	
	3.9 Contractor Insurances			240,000	*240,000*	0.5%	
	Exclusion: -						
	- Owner Project Development Costs (ie. Land, Study, Project Team, Project Financial Costs, Permits, Authority Approval Fee)				*Excluded*		
	Total Indirect Cost	**-**	**-**	**8,690,000**	**8,690,000**	**16.9%**	
	Total Cost: A+B	**20,040,000**	**22,670,000**	**8,690,000**	**51,400,000**	**100.0%**	
	Contingency (7%)	1,400,000	1,590,000	610,000	*3,600,000*		
	OVERALL PROJECT COST	**21,440,000**	**24,260,000**	**9,300,000**	**55,000,000**		

Key Quantity for Myanmar LPG Project
R0, Date : 5 Sep 13

	CIVIL AND STRUCTURAL WORK	Q'TY	Unit	Specification / Standard	Supply		Contractor	
					Local	Offshore	Local	Offshore
1	Site clearing and disposal	150,000	m2		X		X	
2	Fill and compact	257,000	m3		X		X	
3	Fence	1,870	m		X		X	
4	Reinforced concrete road pavement (15cm thick) including base and subbase	36,261	m2	AASHTO standard.	X		X	
5	Reinforced concrete building	3,810	m2	ACI standard.	X		X	
6	Reinforced concrete U trench along road with concrete cover	11,512	m		X		X	
JETTY WORK								
	TRESTLE STRUCTURE							
1	Approach Bridge	1	LS	AISC standard.	X		X	
2	Concrete Support For Steel Catwalk	1	LS	ACI standard.	X		X	
	BERTH							
3	Loading Platform	1	LS		X		X	
4	Dolphins	1	LS		X		X	
	JETTY FURNITURES							
5	Cone fender	2	SET	Marine type.		X	X	
6	Quick Release hook 30T	4	SET	Marine type.		X	X	
7	Bollard 30T	4	SET	Marine type.		X	X	
8	Control system	1	SET			X		X
9	Marine Gangway	1	SET	Marine type.		X	X	
10	Fire Fighting Tower Monitor	1	SET			X	X	
PIPING WORK								
1	Fabricate and Erect CS Pipe (A53, 6" SCH.40)	5,000	DB	ASME A53		X	X	X
2	Fabricate and Erect CS Pipe (A53, 4" SCH.40)	7,000	DB	ASME A53		X	X	X
3	Steel Pipe Support - Supply and Erection (weight approximate 15 kg)	1,000	PCS	JIS G3101 SS400 or ASME A36	X		X	
4	Pipe Blasting (SA 2.5) and Painting (primer 50 microns and 2 coats of epoxy paints DFT 100 microns each)	1,000	M2	Epoxy Paint	X		X	
	NDT							
5	RADIOGRAPHIC TESTING (RT) (Pipe dia 6 inch, Sch. 40)	600	Joints	ASNT	X		X	
6	RADIOGRAPHIC TESTING (RT) (Pipe dia 4 inch, Sch. 40)	2,000	Joints	ASNT	X		X	
7	LIQUID PENETRANT TEST (PT) / MAGNETIC PARTICLE TEST (MT)	250	DB	ASNT	X		X	
MECHANICAL								
1	Static Equipment incl. Skid	100,000	KG	Pressure Vessel : ASME standard. Heat Exchanger : TEMA	X	X	X	
2	Rotating Equipment (Pumps, Compressors, etc.)	20,000	KG	Pump ISO standard		X	X	
3	Equipment Package (Skid)	25,000	KG	ASME standard.		X	X	
4	Site Fabricated CS Tanks - Supply and Fabricate	200,000	KG	ASME standard.	X	X	X	
ELECTRICAL WORK								
1	Diesel Generator (650 - 1000 kVA)	1	nos	IEC standard		X	X	
2	Transformer (Oil-filled transf. > 630 - 1250 kVA)	1	nos	IEC standard		X	X	
3	Power distribution - Lighting panel and small power system	10	nos.	IEC standard		X	X	
4	Lighting Fixtures on railing or post	250	nos	IEC standard		X	X	
5	Terminal boxes (<= 350mm)	30	nos	IEC standard		X	X	
6	Cable laying above ground, LV-cable, armoured, 3x2.50mm²	500	m	IEC standard		X	X	
7	Cable laying above ground, MV-cable, armoured, 3x25.00mm²	300	m	IEC standard		X	X	
8	Cable connection (Termination)	600	nos	IEC standard		X	X	
9	Cable trays (with covers) & ladders, galv. 300mm wide x 100mm deep	1,500	m	IEC standard		X	X	
10	Cable conduits, galvanized steel M25 (3/4")	3,000	m	IEC standard		X	X	

ASIA AVA GAS COMPANY LIMITED
MACHINERY TO BE IMPORTED FROM OVERSEAS

No.	Category	Qty	Unit	Equipment	Piping	Instruments	Electrical	Total
				US$	US$	US$	US$	US$
1	Unit 0100 - 0500 Process Units	1	Package	9,648,000	1,250,000	2,290,000	2,220,000	15,408,000
2	Unit 1100 Raw Water Treatment Unit	1	Package	165,000	20,000	20,000	40,000	245,000
3	Unit 1200 Fire Water System	1	Package	203,000	30,000	20,000	50,000	303,000
4	Unit 1300 Potable Water System	1	Package	121,000	20,000	10,000	30,000	181,000
5	Unit 1400 Cooling Water System	1	Package	49,000	10,000	10,000	10,000	79,000
6	Unit 3100 Plant Air / Instrument Air	1	Package	280,000	40,000	30,000	60,000	410,000
7	Unit 3200 Nitrogen Supply Unit	1	Package	265,000	30,000	30,000	60,000	385,000
8	Unit 3500 Waste Water Collection Unit	1	Package	586,000	80,000	70,000	130,000	866,000
9	Unit 8000 Cold Vent System	1	Package	107,000	10,000	10,000	20,000	147,000
10	Unit 9000 Electrical Generator System	1	Package	1,016,000	130,000	130,000	240,000	1,516,000
11	2 Year Spare Parts	1	Package	500,000				500,000
	Total Value (US$)			12,940,000	1,620,000	2,620,000	2,860,000	**20,040,000**

Uhde ThyssenKrupp	Date :	18/07/13	**EQUIPMENT LIST**	Client	**PRE'P BY:** NW
	Project No:	05-96-14832	**UNIT 0100 - 0500**	Project:	**REVIEWED BY:** TY
	Revision :	B	**PROCESS UNITS**	List No:	**APPROVED BY:**

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg / bar)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	Unit rate	Q'TY	Total amount	Curr	PRICING NOTES		REMARKS
	PACKAGE														
05PA001A/B	BOTTLING PLANT PACKAGE (2x20' Container Bottling Plant)		-27 / 65	8	-	-	-	(NOTE 2)	107,856	2	215,712	USD	Budgetary Quotation from Vendor		
XXX	Bottling Washing, Valve Maintence								107,856	2	215,712	USD	In-House Estimate		
	LOADING ARM														
01Z001	LPG UNLOADING ARMS		-27 / 65	600	-	-	-	CS	898,800	1	898,800	USD	Budgetary Quotation from Vendor		
01Z002	VAPOR RETURN LOADING ARM		-27 / 65	600	-	-	-	CS		1	-	USD	Included in 01Z001		
XXX	LPG Hose Connection & Handling Equipment								107,000	1	107,000	USD	Budgetary Quotation from Vendor		
04Z001~004	TANK TRUCK LOADING ARMS FOR LPG LIQUID AND VAPOR RETURN		-27 / 65	60	-	-	-	CS	144,450	4	577,800	USD	Budgetary Quotation from Vendor		
XXX	TANK TRUCK LOADING ARMS GANTRY AND PIPING UNIT		-27 / 65	60	-	-	-	CS	347,750	1	347,750	USD	Budgetary Quotation from Vendor		
	Truck loading area														
XXX	Weight bridge								53,500	2	107,000	USD	Budgetary Quotation from Vendor		
	PUMP														
01P002A/B	LPG DRAIN PUMPS	5.1 (DIFF.)	-27 / 65	5	-	-	-	CS	6,206	2	12,412	USD	Aspen program - ANSI		- MOTOR DRIVEN VERTICAL PUMP. - ONE OPERTAION PUMP AND ONE STAND-BY PUMP.
03P002A/B	LPG CIRCULATION & BOTTLING PUMPS	10.0 (DIFF.)	-27 / 65	500	-	-	-	CS	722,250	2	1,444,500	USD	Budgetary Quotation from Vendor		- MOTOR DRIVEN VERTICAL PUMP. - ONE PUMP FOR OPERATION AND FLEXIBILITY. ONE PUMP FOR SPARING.
XXX	LPG TRUCK LOADING INDIVIDUAL PUMPS	10.0 (DIFF.)	-27 / 65	60	-	-	-	CS	107,000	4	428,000	USD	Budgetary Quotation from Vendor		- MOTOR DRIVEN VERTICAL PUMP. - ONE PUMP FOR OPERATION OF EACH LOADING ARM
	VESSEL														
01V001	LPG DRAIN DRUM	FV / 17.0	-27 / 65	-	3150	1050	-	CS	24,503	1	24,503	USD	Aspen program		
02V001~004	LPG STORAGE BULLETS	FV / 17.0	-27 / 65	-	51000	6000	-	CS	1,522,503	4	6,090,012	USD	Aspen program		
02V009	LPG STORAGE DEWATERING POT	14.00	-27 / 65	-	-	500	2000	CS	9,416	1	9,416	USD	Aspen program		
03V001~004	LPG Bottling Transfer Vessel	FV / 17.0	-27 / 65	-	11000	2350	-	CS	31,030	4	124,120	USD	Budgetary Quotation from Vendor		
									TOTAL		10,602,737	USD			

Uhde Shedden

ThyssenKrupp

CONFIDENTIAL

Equipment List

Unit 1100 Raw Water Treatment Unit

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0001

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**10/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	10/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
	Project No:	05-96-14832	UNIT 1100	Project:	REVIEWED BY:	SM
	Revision :	A	RAW WATER TREATMENT UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1100PA-01	RAW WATER TREATMENT PACKAGE (TBC)																
	RAW WATER CLARIFIER UNIT														5PD-002		VTA
	FERRIC CHLORIDE TANK	Atm	-8 / 80												5PD-002	NO	VTA
	FERRIC CHLORIDE PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID STATIC MIXER	10	-8 / 80												5PD-002	NO	VTA
	POLYMER TANK	Atm	-8 / 80												5PD-002	NO	VTA
	POLYMER PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	POLYMER HOPPER	Atm	-8 / 80												5PD-002	NO	VTA
	METERING SCREW CONVEYOR	-	80												5PD-002	NO	VTA
	TWO STAGE FLOCCULATOR	ATM	-8 / 80												5PD-002	NO	VTA
	RAW WATER CLARIFIER	ATM	-8 / 80												5PD-003	NO	VTA
	SLUDGE RECYCLE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	RAW WATER SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	CLARIFIER WATER BUFFER TANK	ATM	-8 / 80												5PD-003	NO	VTA
	CLARIFIED WATER PUMPS A/B	10 / 3	-8 / 80												5PD-003	NO	VTA
	STRAINERS A-F (A)	10.00	-8 / 80												5PD-004	NO	VTA
	SLUDGE PIT	Atm	-8 / 80												5PD-004	NO	VTA
	SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-004	NO	VTA
	TANKS																
1100T-02A/B	PROCESS WATER STORAGE TANKS	0.07 / -0.0025	-8 / 46	-	57.0	-	-	-	-	4500	3600	CS	VTA	VTA	5PD-005	NO	
	PUMPS																
1100P-01A/B	RAW WATER PUMPS	6.9 / 5.7	-8 / 80	20.00	-	-	5.33	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-001	NO	Type Centrifugal, Driver : One Diesel Engine Drive and One Electrical Motor Drive
1100P-02A/B	PROCESS WATER PUMPS	7.52 / 6.3	-8 / 80	20.00	-	-	5.80	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-005	NO	Type Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise, TBC: To be confirmed by vendor.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump and screw conveyor motor power includes a 20% margin over absorbed pump and screw conveyor motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. Installed fan motor power and installed agitator motor power include a 20% margin over absorbed motor power.

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Equipment List

Unit1200 Fire Water System

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-G002

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden | ThyssenKrupp

Date :	22/04/13
Project No:	05-96-14832
Revision :	A

EQUIPMENT LIST
UNIT 1200
FIRE WATER SYSTEM

Client		PRE'P BY:	JDA
Project:		REVIEWED BY:	SM
List No:		APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PUMPS																
1200PA-01	CENTER FIRE WATER PUMP PACKAGE														5PD-001		
	FIRE WATER PUMP A (ELECTRICAL)	13.62 / 11.36	-8 / 80	451.00	-	-	237	280	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER PUMP B (DIESEL)	13.62 / 11.36	-8 / 80	451.00	-	-	-	-	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER JOCKEY PUMP A/B	13.62 / 11.30	-8 / 80	22.00	-	-	11.56	15	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	

NOTES:
1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6.
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1300 Potable Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0003

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
		Project No:	05-96-14832	UNIT 1300	Project:	REVIEWED BY: SM
		Revision :	A	POTABLE WATER SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGES																
1300PA-01	POTABLE WATER PACKAGE																Equipment is preliminary only - vendor to confirm final package contents and details.
	MEDIA FILTERING UNIT	10	-8 / 80												5PD-001	NO	VTA
	UV STERILISATION UNIT A/B	10	-8 / 80												5PD-001	NO	VTA
	CHEMICAL DOSING UNIT (TBC)																Equipment is preliminary only - vendor to confirm final package contents and details.
	SODIUM HYPOCHLORITE DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	TANK																
1300T-01	POTABLE WATER BUFFER TANK	0.07 / (-0.0025)	-8 / 46	-	38.0	-	-	-	-	3000	5400	SS304 (TBC)	VTA	VTA	5PD-003	NO	
	PUMP																
1300P-01A/B	POTABLE WATER PUMPS A/B	7.62 / 6.30	-8 / 80	10.00	-	-	2.94	4.00	VTA	VTA	VTA	SS (TBC)	VTA	-	5PD-003	NO	Type: Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1400 Cooling Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0004

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date: 22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No: 05-96-14832	UNIT 1400	Project:	REVIEWED BY: SM
	Revision: A	COOLING WATER SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1400PA-01	COOLING TOWER PACKAGE (6)		-8 / 80	110	-	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	5PD-001	NO	
1400PA-02	SIDE STREAM FILTERS	-	-8 / 80	0.2	-	-	-	-	(1)	(1)	(1)	VTA	(1)	(1)	5PD-002	NO	
1400PA-03	WATER ANALYSER & CHEMICAL INJECTION PACKAGE	-	-8 / 80	-	-	-	-	-	(1)	(1)	(1)	-	(1)	(1)	5PD-003	NO	
	CORROSION INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SCALE INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SULPHURIC ACID INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SODIUM HYPOCHLORITE INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
1400PA-04	COOLING WATER PUMP PACKAGE	VTA	-8 / 80	110	-	-	VTA	VTA	VTA	VTA	VTA	CS / CS	VTA	-	5PD-001	NO	Type: Centrifugal
	PIT																
1400T-01	COOLING WATER BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	5PD-001	-	

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be based on vendor information.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. Absorbed fan motor power is the rated power based on an assumed efficiency of 0.75 (and additional 0.83 for variable drives).
5. The design pressure value of pumps refer to pump maximum discharge pressure.
6. The number of pumps/cooling tower to be confirmed by vendor.
7. VTA: Vendor to advise.

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Equipment List

Unit 3100 Plant Air / Instrument Air

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0005

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden / ThyssenKrupp	Date : 22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No: 05-96-14832	UNIT 3100	Project:	REVIEWED BY: SM
	Revision : A	PLANT AIR / INSTRUMENT AIR	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3100PA-01	AIR COMPRESSOR PACKAGES A/B	12	10 / 100	5096 Nm^3/hr	-	-	1381	1600	5800	2400	2700	CI / SS	18.0	-	5PD-001	NO	
3100PA-02	AIR DRYER PACKAGES A/B	12	-8 / 100	140 Nm^3/hr	-	-	-	55	3700	2900	2600	CS	4.7	-	5PD-002 5PD-003	NO	
	DRUM																
3100D-01	PLANT AIR RECEIVER	12	10 / 100	-	926 (VTA)	-	-	-	-	7072 (VTA)	21216 (VTA)	CS	VTA	VTA	5PD-004	NO	Internal Epoxy Coating
3100D-02	INSTRUMENT AIR RECEIVER	10	-8 / 100	-	16.3 (VTA)	-	-	-	-	1840 (VTA)	5520 (VTA)	CS	VTA	VTA	5PD-005	NO	Internal Epoxy Coating

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. **Installed compressor motor power includes a 10% margin over absorbed compressor motor power.**
2. **VTA: Vendor to advise.**

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Equipment List

Unit 3200 Nitrogen Supply

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0006

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	INITIAL CONCEPT	22/04/13	JDA		KNL		SM		SM	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
	Project No:	05-96-14832	UNIT3200	Project:	REVIEWED BY:	SM
	Revision :	A	NITROGEN SUPPLY UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3200PA-01	AIR COMPRESSOR PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-001		
3200PA-02	NITROGEN GENERATION PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-002		
	DRUM																
3200D-01	NITROGEN RECEIVER	12 / VTA	-8 / 100							1200	3800	CS	VTA	VTA	5PD-003		

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise.

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Equipment List

Unit 3500 Waste Water Collection

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0097

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT 3500	Project:	REVIEWED BY:	SM
		Revision :	A	WASTE WATER COLLECTION UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3500PA-01	WASTE WATER TREATMENT PACKAGE	(5)	(5)	(5)											5PD-003		Details within package to be confirmed by vendor
	PUMPS																
3500P-01	PLANT STORM WATER BASIN PUMP	4 / 3.3	-8 / 80	20.00	-	-	3.08	4.00				CS / CS		-	5PD-002	NO	
3500P-02	CLEAN STORM WATER BASIN PUMP	8.8 / 7.3	-8 / 80	40.00	-	-	13.54	18.50				CS / CS		-	5PD-002	NO	
3500P-03A/B	STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-001	NO	Type: Centrifugal self -priming
3500P-04A/B	PLANT STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
3500P-05A/B	CLEAN STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
	PIT																
3500T-01	PLANT STORM WATER BASIN	Atm	-8 / 80	-	6 (VTA)	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-02	CLEAN STORM WATER BASIN	Atm	-8 / 80	-	VTA	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-03	COALESCING PLATE SEPARATOR	Atm	-8 / 80		6 (VTA)	-	-	-							5PD-001	NO	Details within package to be confirmed by vendor

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. To be confirmed by vendor.

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Equipment List

Unit 8000 Cold Vent System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0008

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 8000	Project:	REVIEWED BY: SM
	Revision :	A	COLD VENT SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	DRUM																
8000D-01	HP KNOCK OUT DRUM	(1)	(1)	(1)											5PD-001		To be confirmed by detailed engineering contractor.
	PUMP																
8000P-01 A/B	HP KNOCK OUT DRUM PUMPS	(1)	(1)	(1)										-	5PD-001		To be confirmed by detailed engineering contractor.

NOTES:
1. To be confirmed by detailed engineering contractor.

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Equipment List

Unit 9000 Diesel Engine Generator System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0009

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
	Project No:	05-96-14832	UNIT 9000	Project:	REVIEWED BY:	SM
	Revision :	A	DIESEL ENGINE GENERATOR SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
9000DE-001 A/B	DIESEL ENGINE GENERATOR PACKAGES	(1)	(1)	(1)											5PD-001		To be confirmed by vendor.
	TANK																
9000T-01	DIESEL TANK	(1)	(1)	(1)										-	5PD-001		To be confirmed by vendor/detailed engineering contractor.

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be confirmed by detailed engineering contractor.

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Equipment List

Unit 1100 Raw Water Treatment Unit

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0001

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**10/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp		Date :	10/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT 1100	Project:	REVIEWED BY:	SM
		Revision :	A	RAW WATER TREATMENT UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1100PA-01	RAW WATER TREATMENT PACKAGE (TBC)																
	RAW WATER CLARIFIER UNIT														5PD-002		VTA
	FERRIC CHLORIDE TANK	Atm	-8 / 80												5PD-002	NO	VTA
	FERRIC CHLORIDE PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID STATIC MIXER	10	-8 / 80												5PD-002	NO	VTA
	POLYMER TANK	Atm	-8 / 80												5PD-002	NO	VTA
	POLYMER PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	POLYMER HOPPER	Atm	-8 / 80												5PD-002	NO	VTA
	METERING SCREW CONVEYOR	-	80												5PD-002	NO	VTA
	TWO STAGE FLOCCULATOR	ATM	-8 / 80												5PD-002	NO	VTA
	RAW WATER CLARIFIER	ATM	-8 / 80												5PD-003	NO	VTA
	SLUDGE RECYCLE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	RAW WATER SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	CLARIFIER WATER BUFFER TANK	ATM	-8 / 80												5PD-003	NO	VTA
	CLARIFIED WATER PUMPS A/B	10 / 3	-8 / 80												5PD-003	NO	VTA
	STRAINERS A-F (A)	10.00	-8 / 80												5PD-004	NO	VTA
	SLUDGE PIT	Atm	-8 / 80												5PD-004	NO	VTA
	SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-004	NO	VTA
	TANKS																
1100T-02A/B	PROCESS WATER STORAGE TANKS	0.07 / -0.0025	-8 / 46	-	57.0	-	-	-	-	4500	3600	CS	VTA	VTA	5PD-005	NO	
	PUMPS																
1100P-01A/B	RAW WATER PUMPS	6.9 / 5.7	-8 / 80	20.00	-	-	5.33	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-001	NO	Type Centrifugal, Driver : One Diesel Engine Drive and One Electrical Motor Drive
1100P-02A/B	PROCESS WATER PUMPS	7.52 / 6.3	-8 / 80	20.00	-	-	5.80	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-005	NO	Type Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. VTA: Vendor to advise, TBC: To be confirmed by vendor.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump and screw conveyor motor power includes a 20% margin over absorbed pump and screw conveyor motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. Installed fan motor power and installed agitator motor power include a 20% margin over absorbed motor power.

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Equipment List

Unit1200 Fire Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-G002

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PREP BY: JDA
		Project No.	05-96-14832	UNIT 1200	Project:	REVIEWED BY: SM
		Revision :	A	FIRE WATER SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PUMPS																
1200PA-01	CENTER FIRE WATER PUMP PACKAGE														5PD-001		
	FIRE WATER PUMP A (ELECTRICAL)	13.62 / 11.36	-8 / 80	451.00	-	-	237	280	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER PUMP B (DIESEL)	13.62 / 11.36	-8 / 80	451.00	-	-	-	-	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER JOCKEY PUMP A/B	13.62 / 11.30	-8 / 80	22.00	-	-	11.56	15	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	

NOTES:
1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6.
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1300 Potable Water System

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0003

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	INITIAL CONCEPT	22/04/13	JDA		KNL		SM		SM	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT 1300	Project:	REVIEWED BY:	SM
		Revision :	A	POTABLE WATER SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGES																
1300PA-01	POTABLE WATER PACKAGE																Equipment is preliminary only - vendor to confirm final package contents and details.
	MEDIA FILTERING UNIT	10	-8 / 80												5PD-001	NO	VTA
	UV STERILISATION UNIT A/B	10	-8 / 80												5PD-001	NO	VTA
	CHEMICAL DOSING UNIT (TBC)																Equipment is preliminary only - vendor to confirm final package contents and details.
	SODIUM HYPOCHLORITE DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	TANK																
1300T-01	POTABLE WATER BUFFER TANK	0.07 / (-0.0025)	-8 / 46	-	38.0	-	-	-	-	3000	5400	SS304 (TBC)	VTA	VTA	5PD-003	NO	
	PUMP																
1300P-01A/B	POTABLE WATER PUMPS A/B	7.62 / 6.30	-8 / 80	10.00	-	-	2.94	4.00	VTA	VTA	VTA	SS (TBC)	VTA	-	5PD-003	NO	Type: Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1400 Cooling Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0004

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp

Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
Project No:	05-96-14832	UNIT 1400	Project:	REVIEWED BY:	SM
Revision :	A	COOLING WATER SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1400PA-01	COOLING TOWER PACKAGE (6)		-8 / 80	110	-	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	5PD-001	NO	
1400PA-02	SIDE STREAM FILTERS	-	-8 / 80	0.2	-	-	-	-	(1)	(1)	(1)	VTA	(1)	(1)	5PD-002	NO	
1400PA-03	WATER ANALYSER & CHEMICAL INJECTION PACKAGE	-	-8 / 80	-	-	-	-	-	(1)	(1)	(1)	-	(1)	(1)	5PD-003	NO	
	CORROSION INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SCALE INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SULPHURIC ACID INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SODIUM HYPOCHLORITE INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
1400PA-04	COOLING WATER PUMP PACKAGE	VTA	-8 / 80	110	-	-	VTA	VTA	VTA	VTA	VTA	CS / CS	VTA	-	5PD-001	NO	Type: Centrifugal
	PIT																
1400T-01	COOLING WATER BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	5PD-001	-	

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be based on vendor information.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. Absorbed fan motor power is the rated power based on an assumed efficiency of 0.75 (and additional 0.83 for variable drives).
5. The design pressure value of pumps refer to pump maximum discharge pressure.
6. The number of pumps/cooling tower to be confirmed by vendor.
7. VTA: Vendor to advise.

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Equipment List

Unit 3100 Plant Air / Instrument Air

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0005

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 3100	Project:	REVIEWED BY: SM
	Revision :	A	PLANT AIR / INSTRUMENT AIR	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3100PA-01	AIR COMPRESSOR PACKAGES A/B	12	10 / 100	5096 Nm^3/hr	-	-	1381	1600	5800	2400	2700	CI / SS	18.0	-	5PD-001	NO	
3100PA-02	AIR DRYER PACKAGES A/B	12	-8 / 100	140 Nm^3/hr	-	-	-	55	3700	2900	2600	CS	4.7	-	5PD-002 5PD-003	NO	
	DRUM																
3100D-01	PLANT AIR RECEIVER	12	10 / 100	-	926 (VTA)	-	-	-	-	7072 (VTA)	21216 (VTA)	CS	VTA	VTA	5PD-004	NO	Internal Epoxy Coating
3100D-02	INSTRUMENT AIR RECEIVER	10	-8 / 100	-	16.3 (VTA)	-	-	-	-	1840 (VTA)	5520 (VTA)	CS	VTA	VTA	5PD-005	NO	Internal Epoxy Coating

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. **Installed compressor motor power includes a 10% margin over absorbed compressor motor power.**
2. **VTA: Vendor to advise.**

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Equipment List

Unit 3200 Nitrogen Supply

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0026

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT3200	Project:	REVIEWED BY:	SM
		Revision :	A	NITROGEN SUPPLY UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3200PA-01	AIR COMPRESSOR PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-001		
3200PA-02	NITROGEN GENERATION PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-002		
	DRUM																
3200D-01	NITROGEN RECEIVER	12 / VTA	-8 / 100							1200	3800	CS	VTA	VTA	5PD-003		

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. **VTA: Vendor to advise.**

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Equipment List
Unit 3500 Waste Water Collection

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0007

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
	Project No:	05-96-14832	UNIT 3500	Project:	REVIEWED BY:	SM
	Revision :	A	WASTE WATER COLLECTION UNIT	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3500PA-01	WASTE WATER TREATMENT PACKAGE	(5)	(5)	(5)											5PD-003		Details within package to be confirmed by vendor
	PUMPS																
3500P-01	PLANT STORM WATER BASIN PUMP	4 / 3.3	-8 / 80	20.00	-	-	3.08	4.00				CS / CS		-	5PD-002	NO	
3500P-02	CLEAN STORM WATER BASIN PUMP	8.8 / 7.3	-8 / 80	40.00	-	-	13.54	18.50				CS / CS		-	5PD-002	NO	
3500P-03A/B	STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-001	NO	Type: Centrifugal self -priming
3500P-04A/B	PLANT STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
3500P-05A/B	CLEAN STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
	PIT																
3500T-01	PLANT STORM WATER BASIN	Atm	-8 / 80	-	6 (VTA)	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-02	CLEAN STORM WATER BASIN	Atm	-8 / 80	-	VTA	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-03	COALESCING PLATE SEPARATOR	Atm	-8 / 80		6 (VTA)	-	-	-							5PD-001	NO	Details within package to be confirmed by vendor

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. To be confirmed by vendor.

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Equipment List

Unit 8000 Cold Vent System

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0008

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	INITIAL CONCEPT	22/04/13	JDA		KNL		SM		SM	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 8000	Project:	REVIEWED BY: SM
	Revision :	A	COLD VENT SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	DRUM																
8000D-01	HP KNOCK OUT DRUM	(1)	(1)	(1)											5PD-001		To be confirmed by detailed engineering contractor.
	PUMP																
8000P-01 A/B	HP KNOCK OUT DRUM PUMPS	(1)	(1)	(1)										-	5PD-001		To be confirmed by detailed engineering contractor.

NOTES:
1. To be confirmed by detailed engineering contractor.

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Equipment List

Unit 9000 Diesel Engine Generator System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0009

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT 9000	Project:	REVIEWED BY:	SM
		Revision :	A	DIESEL ENGINE GENERATOR SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
9000DE-001 A/B	DIESEL ENGINE GENERATOR PACKAGES	(1)	(1)	(1)											5PD-001		To be confirmed by vendor.
	TANK																
9000T-01	DIESEL TANK	(1)	(1)	(1)										-	5PD-001		To be confirmed by vendor/detailed engineering contractor.

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be confirmed by detailed engineering contractor.

Uhde ThyssenKrupp	Date :	18/07/13	EQUIPMENT LIST	Client	PRE'P BY: NW
	Project No:	05-96-14832	UNIT 0100 - 0500	Project:	REVIEWED BY: TY
	Revision :	B	PROCESS UNITS	List No:	APPROVED BY:

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg / bar)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	Unit rate	Q'TY	Total amount	Curr	PRICING NOTES		REMARKS
	PACKAGE														
05PA001A/B	BOTTLING PLANT PACKAGE (2x20' Container Bottling Plant)		-27 / 65	8	-	-	-	(NOTE 2)	107,856	2	215,712	USD	Budgetary Quotation from Vendor		
XXX	Bottling Washing, Valve Maintence								107,856	2	215,712	USD	In-House Estimate		
	LOADING ARM														
01Z001	LPG UNLOADING ARMS		-27 / 65	600	-	-	-	CS	898,800	1	898,800	USD	Budgetary Quotation from Vendor		
01Z002	VAPOR RETURN LOADING ARM		-27 / 65	600	-	-	-	CS		1	-	USD	Included in 01Z001		
XXX	LPG Hose Connection & Handling Equipment								107,000	1	107,000	USD	Budgetary Quotation from Vendor		
04Z001~004	TANK TRUCK LOADING ARMS FOR LPG LIQUID AND VAPOR RETURN		-27 / 65	60	-	-	-	CS	144,450	4	577,800	USD	Budgetary Quotation from Vendor		
XXX	TANK TRUCK LOADING ARMS GANTRY AND PIPING UNIT		-27 / 65	60	-	-	-	CS	347,750	1	347,750	USD	Budgetary Quotation from Vendor		
	Truck loading area														
XXX	Weight bridge								53,500	2	107,000	USD	Budgetary Quotation from Vendor		
	PUMP														
01P002A/B	LPG DRAIN PUMPS	5.1 (DIFF.)	-27 / 65	5	-	-	-	CS	6,206	2	12,412	USD	Aspen program - ANSI		- MOTOR DRIVEN VERTICAL PUMP. - ONE OPERTAION PUMP AND ONE STAND-BY PUMP.
03P002A/B	LPG CIRCULATION & BOTTLING PUMPS	10.0 (DIFF.)	-27 / 65	500	-	-	-	CS	722,250	2	1,444,500	USD	Budgetary Quotation from Vendor		- MOTOR DRIVEN VERTICAL PUMP. - ONE PUMP FOR OPERATION AND FLEXIBILITY. ONE PUMP FOR SPARING.
XXX	LPG TRUCK LOADING INDIVIDUAL PUMPS	10.0 (DIFF.)	-27 / 65	60	-	-	-	CS	107,000	4	428,000	USD	Budgetary Quotation from Vendor		- MOTOR DRIVEN VERTICAL PUMP. - ONE PUMP FOR OPERATION OF EACH LOADING ARM
	VESSEL														
01V001	LPG DRAIN DRUM	FV / 17.0	-27 / 65	-	3150	1050	-	CS	24,503	1	24,503	USD	Aspen program		
02V001~004	LPG STORAGE BULLETS	FV / 17.0	-27 / 65	-	51000	6000	-	CS	1,522,503	4	6,090,012	USD	Aspen program		
02V009	LPG STORAGE DEWATERING POT	14.00	-27 / 65	-	-	500	2000	CS	9,416	1	9,416	USD	Aspen program		
03V001~004	LPG Bottling Transfer Vessel	FV / 17.0	-27 / 65	-	11000	2350	-	CS	31,030	4	124,120	USD	Budgetary Quotation from Vendor		
									TOTAL		10,602,737	USD			

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Equipment List

Unit 1100 Raw Water Treatment Unit

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0001

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**10/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	10/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 1100	Project:	REVIEWED BY: SM
	Revision :	A	RAW WATER TREATMENT UNIT	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1100PA-01	RAW WATER TREATMENT PACKAGE (TBC)																
	RAW WATER CLARIFIER UNIT														5PD-002		VTA
	FERRIC CHLORIDE TANK	Atm	-8 / 80												5PD-002	NO	VTA
	FERRIC CHLORIDE PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID STATIC MIXER	10	-8 / 80												5PD-002	NO	VTA
	POLYMER TANK	Atm	-8 / 80												5PD-002	NO	VTA
	POLYMER PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	POLYMER HOPPER	Atm	-8 / 80												5PD-002	NO	VTA
	METERING SCREW CONVEYOR	-	80												5PD-002	NO	VTA
	TWO STAGE FLOCCULATOR	ATM	-8 / 80												5PD-002	NO	VTA
	RAW WATER CLARIFIER	ATM	-8 / 80												5PD-003	NO	VTA
	SLUDGE RECYCLE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	RAW WATER SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-003	NO	VTA
	CLARIFIER WATER BUFFER TANK	ATM	-8 / 80												5PD-003	NO	VTA
	CLARIFIED WATER PUMPS A/B	10 / 3	-8 / 80												5PD-003	NO	VTA
	STRAINERS A-F (A)	10.00	-8 / 80												5PD-004	NO	VTA
	SLUDGE PIT	Atm	-8 / 80												5PD-004	NO	VTA
	SLUDGE PUMPS A/B	10 / 5	-8 / 80												5PD-004	NO	VTA
	TANKS																
1100T-02A/B	PROCESS WATER STORAGE TANKS	0.07 / -0.0025	-8 / 46	-	57.0	-	-	-	-	4500	3600	CS	VTA	VTA	5PD-005	NO	
	PUMPS																
1100P-01A/B	RAW WATER PUMPS	6.9 / 5.7	-8 / 80	20.00	-	-	5.33	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-001	NO	Type Centrifugal, Driver : One Diesel Engine Drive and One Electrical Motor Drive
1100P-02A/B	PROCESS WATER PUMPS	7.52 / 6.3	-8 / 80	20.00	-	-	5.80	7.5	VTA	VTA	VTA	CS / CS	VTA	VTA	5PD-005	NO	Type Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise, TBC: To be confirmed by vendor.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump and screw conveyor motor power includes a 20% margin over absorbed pump and screw conveyor motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. Installed fan motor power and installed agitator motor power include a 20% margin over absorbed motor power.

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Equipment List

Unit1200 Fire Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-G002

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
		Project No:	05-96-14832	UNIT 1200	Project:	REVIEWED BY: SM
		Revision :	A	FIRE WATER SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PUMPS																
1200PA-01	CENTER FIRE WATER PUMP PACKAGE														5PD-001		
	FIRE WATER PUMP A (ELECTRICAL)	13.62 / 11.36	-8 / 80	451.00	-	-	237	280	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER PUMP B (DIESEL)	13.62 / 11.36	-8 / 80	451.00	-	-	-	-	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	
	FIRE WATER JOCKEY PUMP A/B	13.62 / 11.30	-8 / 80	22.00	-	-	11.56	15	VTA	VTA	VTA	CS	VTA	-	5PD-001	NO	

NOTES:
1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6.
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1300 Potable Water System

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0003

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	INITIAL CONCEPT	22/04/13	JDA		KNL		SM		SM	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden	ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
		Project No:	05-96-14832	UNIT 1300	Project:	REVIEWED BY:	SM
		Revision :	A	POTABLE WATER SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGES																
1300PA-01	POTABLE WATER PACKAGE																Equipment is preliminary only - vendor to confirm final package contents and details.
	MEDIA FILTERING UNIT	10	-8 / 80												5PD-001	NO	VTA
	UV STERILISATION UNIT A/B	10	-8 / 80												5PD-001	NO	VTA
	CHEMICAL DOSING UNIT (TBC)																Equipment is preliminary only - vendor to confirm final package contents and details.
	SODIUM HYPOCHLORITE DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING TANK	Atm	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID DOSING PUMPS A/B	10 / 5	-8 / 80												5PD-002	NO	VTA
	SODIUM HYPOCHLORITE INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	SULPHURIC ACID INLINE MIXER	10	-8 / 80												5PD-002	NO	VTA
	TANK																
1300T-01	POTABLE WATER BUFFER TANK	0.07 / (-0.0025)	-8 / 46	-	38.0	-	-	-	-	3000	5400	SS304 (TBC)	VTA	VTA	5PD-003	NO	
	PUMP																
1300P-01A/B	POTABLE WATER PUMPS A/B	7.62 / 6.30	-8 / 80	10.00	-	-	2.94	4.00	VTA	VTA	VTA	SS (TBC)	VTA	-	5PD-003	NO	Type: Centrifugal

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:

1. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
2. Installed pump motor power includes a 20% margin over absorbed pump motor power.
3. The design pressure value of pumps refer to pump maximum discharge pressure.
4. VTA: Vendor to advise.

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Equipment List

Unit 1400 Cooling Water System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0004

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden — ThyssenKrupp

Date:	22/04/13	Client	PRE'P BY: JDA
Project No:	05-96-14832	Project:	REVIEWED BY: SM
Revision:	A	List No:	APPROVED BY: SM

EQUIPMENT LIST
UNIT 1400
COOLING WATER SYSTEM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
1400PA-01	COOLING TOWER PACKAGE (6)		-8 / 80	110	-	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	5PD-001	NO	
1400PA-02	SIDE STREAM FILTERS	-	-8 / 80	0.2	-	-	-	-	(1)	(1)	(1)	VTA	(1)	(1)	5PD-002	NO	
1400PA-03	WATER ANALYSER & CHEMICAL INJECTION PACKAGE	-	-8 / 80	-	-	-	-	-	(1)	(1)	(1)	-	(1)	(1)	5PD-003	NO	
	CORROSION INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SCALE INHIBITOR INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SULPHURIC ACID INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
	SODIUM HYPOCHLORITE INJECTION	-	-	VTA	-	-	VTA	VTA	-	-	-	(1)	-	-	5PD-003	NO	
1400PA-04	COOLING WATER PUMP PACKAGE	VTA	-8 / 80	110	-	-	VTA	VTA	VTA	VTA	VTA	CS / CS	VTA	-	5PD-001	NO	Type: Centrifugal
	PIT																
1400T-01	COOLING WATER BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	5PD-001	-	

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be based on vendor information.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. Absorbed fan motor power is the rated power based on an assumed efficiency of 0.75 (and additional 0.83 for variable drives).
5. The design pressure value of pumps refer to pump maximum discharge pressure.
6. The number of pumps/cooling tower to be confirmed by vendor.
7. VTA: Vendor to advise.

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Equipment List

Unit 3100 Plant Air / Instrument Air

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0005

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp

Date :	22/04/13	Client	PRE'P BY: JDA
Project No:	05-96-14832	Project:	REVIEWED BY: SM
Revision :	A	List No:	APPROVED BY: SM

EQUIPMENT LIST
UNIT 3100
PLANT AIR / INSTRUMENT AIR

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3100PA-01	AIR COMPRESSOR PACKAGES A/B	12	10 / 100	5096 Nm^3/hr	-	-	1381	1600	5800	2400	2700	CI / SS	18.0	-	5PD-001	NO	
3100PA-02	AIR DRYER PACKAGES A/B	12	-8 / 100	140 Nm^3/hr	-	-	-	55	3700	2900	2600	CS	4.7	-	5PD-002 5PD-003	NO	
	DRUM																
3100D-01	PLANT AIR RECEIVER	12	10 / 100	-	926 (VTA)	-	-	-	-	7072 (VTA)	21216 (VTA)	CS	VTA	VTA	5PD-004	NO	Internal Epoxy Coating
3100D-02	INSTRUMENT AIR RECEIVER	10	-8 / 100	-	16.3 (VTA)	-	-	-	-	1840 (VTA)	5520 (VTA)	CS	VTA	VTA	5PD-005	NO	Internal Epoxy Coating

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. **Installed compressor motor power includes a 10% margin over absorbed compressor motor power.**
2. **VTA: Vendor to advise.**

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Equipment List

Unit 3200 Nitrogen Supply

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0026

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	INITIAL CONCEPT	22/04/13	JDA		KNL		SM		SM	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden — ThyssenKrupp

Date :	22/04/13
Project No:	05-96-14832
Revision :	A

EQUIPMENT LIST
UNIT3200
NITROGEN SUPPLY UNIT

Client		PRE'P BY:	JDA
Project:		REVIEWED BY:	SM
List No:		APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3200PA-01	AIR COMPRESSOR PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-001		
3200PA-02	NITROGEN GENERATION PACKAGE	12 / VTA	-8 / 100	2505 Nm3/h (VTA)								VTA			5PD-002		
	DRUM																
3200D-01	NITROGEN RECEIVER	12 / VTA	-8 / 100							1200	3800	CS	VTA	VTA	5PD-003		

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. **VTA: Vendor to advise.**

Uhde Shedden

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C

Equipment List

Unit 3500 Waste Water Collection

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0097

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 3500	Project:	REVIEWED BY: SM
	Revision :	A	WASTE WATER COLLECTION UNIT	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
3500PA-01	WASTE WATER TREATMENT PACKAGE	(5)	(5)	(5)											5PD-003		Details within package to be confirmed by vendor
	PUMPS																
3500P-01	PLANT STORM WATER BASIN PUMP	4 / 3.3	-8 / 80	20.00	-	-	3.08	4.00				CS / CS		-	5PD-002	NO	
3500P-02	CLEAN STORM WATER BASIN PUMP	8.8 / 7.3	-8 / 80	40.00	-	-	13.54	18.50				CS / CS		-	5PD-002	NO	
3500P-03A/B	STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-001	NO	Type: Centrifugal self -priming
3500P-04A/B	PLANT STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
3500P-05A/B	CLEAN STORM WATER OIL SKIMMER PUMPS	1.5 / 1.3	-8 / 80	5.00	-	-	0.29	VTA				CS / CS		-	5PD-002	NO	Type: Centrifugal self -priming
	PIT																
3500T-01	PLANT STORM WATER BASIN	Atm	-8 / 80	-	6 (VTA)	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-02	CLEAN STORM WATER BASIN	Atm	-8 / 80	-	VTA	-	-	-				Earthen Basin lined with concrete (1)	VTA	VTA	5PD-002	NO	
3500T-03	COALESCING PLATE SEPARATOR	Atm	-8 / 80		6 (VTA)	-	-	-							5PD-001	NO	Details within package to be confirmed by vendor

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. VTA: Vendor to advise.
2. Absorbed pump motor power is the rated power based on an assumed efficiency of 0.6
3. Installed pump motor power includes a 20% margin over absorbed pump motor power.
4. The design pressure value of pumps refer to pump maximum discharge pressure.
5. To be confirmed by vendor.

Uhde Shedden

ThyssenKrupp

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Equipment List

Unit 8000 Cold Vent System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0008

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY: JDA
	Project No:	05-96-14832	UNIT 8000	Project:	REVIEWED BY: SM
	Revision :	A	COLD VENT SYSTEM	List No:	APPROVED BY: SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	DRUM																
8000D-01	HP KNOCK OUT DRUM	(1)	(1)	(1)											5PD-001		To be confirmed by detailed engineering contractor.
	PUMP																
8000P-01 A/B	HP KNOCK OUT DRUM PUMPS	(1)	(1)	(1)										-	5PD-001		To be confirmed by detailed engineering contractor.

NOTES:
1. To be confirmed by detailed engineering contractor.

Uhde Shedden

ThyssenKrupp

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Equipment List

Unit 9000 Diesel Engine Generator System

Project Name	**Thailawa LPG Terminal and Storage Facility**
Project Number	**05-96-14832**
Document Number	UT-PR-000-PD-0009

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**22/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

Uhde Shedden ThyssenKrupp	Date :	22/04/13	EQUIPMENT LIST	Client	PRE'P BY:	JDA
	Project No:	05-96-14832	UNIT 9000	Project:	REVIEWED BY:	SM
	Revision :	A	DIESEL ENGINE GENERATOR SYSTEM	List No:	APPROVED BY:	SM

EQUIPMENT NUMBER	DESCRIPTION	DESIGN / DIFF PRESS (barg)	DESIGN TEMP (°C)	DESIGN FLOW (m^3/hr)	DUTY / VOLUME (m^3, each)	COMBINED HEAT DUTY (Gcal/hr)	ABSORBED MOTOR POWER (kW, each)	INSTALLED MOTOR POWER (kW, each)	L or T/T (mm, each)	W or I.D (mm, each)	H or T/T (mm, each)	MATERIAL (generic)	DRY WEIGHT (t, each)	DRY + WET WEIGHT (t, each)	P&ID NUMBER	INSULATION THICKNESS (mm)	REMARKS
	PACKAGE																
9000DE-001 A/B	DIESEL ENGINE GENERATOR PACKAGES	(1)	(1)	(1)											5PD-001		To be confirmed by vendor.
	TANK																
9000T-01	DIESEL TANK	(1)	(1)	(1)										-	5PD-001		To be confirmed by vendor/detailed engineering contractor.

Equipment data for packages are preliminary only - vendor to confirm final package contents and details.

NOTES:
1. To be confirmed by detailed engineering contractor.

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 6

Draft Contract & Land Lease Agreement with Land Ownership Evidences

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

ASIA AVA GAS COMPANY LIMITED
ANNUAL LAND LEASE PAYMENT & LAND AREA SCHEDULE

Year	Land Area (Acres)	Annual Lease Rate per Acre (US$)	Annual Total Lease (US$)
1	32	25,000	800,000
2	32	25,000	800,000
3	32	25,000	800,000
4	40	25,000	1,000,000
5	40	25,000	1,000,000
6	40	25,000	1,000,000
7	40	25,000	1,000,000
8	40	25,000	1,000,000
9	40	25,000	1,000,000
10	40	25,000	1,000,000
11	40	25,000	1,000,000
12	40	25,000	1,000,000
13	40	25,000	1,000,000
14	40	25,000	1,000,000
15	40	25,000	1,000,000
16	40	25,000	1,000,000
17	40	25,000	1,000,000
18	40	25,000	1,000,000
19	40	25,000	1,000,000
20	40	25,000	1,000,000
21	40	25,000	1,000,000
22	40	25,000	1,000,000
23	40	25,000	1,000,000
24	40	25,000	1,000,000
25	40	25,000	1,000,000
26	40	25,000	1,000,000
27	40	25,000	1,000,000
28	40	25,000	1,000,000
29	40	25,000	1,000,000
30	40	25,000	1,000,000
31	40	25,000	1,000,000
32	40	25,000	1,000,000
33	40	25,000	1,000,000
34	40	25,000	1,000,000
35	40	25,000	1,000,000
36	40	25,000	1,000,000
37	40	25,000	1,000,000
38	40	25,000	1,000,000
39	40	25,000	1,000,000
40	40	25,000	1,000,000
41	40	25,000	1,000,000
42	40	25,000	1,000,000
43	40	25,000	1,000,000
44	40	25,000	1,000,000
45	40	25,000	1,000,000
46	40	25,000	1,000,000
47	40	25,000	1,000,000
48	40	25,000	1,000,000
49	40	25,000	1,000,000
50	40	25,000	1,000,000

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၂၈၀ / ၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉) ရက်

အကြောင်းအရာ။ **လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့် (ပုံစံ-၁၅) များ ပေးပို့ခြင်း**

၁။ ဦးမျိုးအောင်ပါ(၂)ဦးမှ ရန်ကုန်တိုင်းဒေသကြီး၊ တောင်ပိုင်းခရိုင်၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာ၊ ကွင်းအမှတ် (၆၇၂)၊ ကျောင်းကုန်းအနောက်ကွင်းအတွင်းရှိ လယ်မြေဧရိယာ (၂၂.၁၁) ဧကကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားလာမှုအပေါ် ရန်ကုန်တိုင်းဒေသကြီး လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ စိစစ်ထောက်ခံချက်ဖြင့် ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့သို့ ပေးပို့ တင်ပြလာပါသည်။

၂။ လယ်ယာမြေကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားချက်နှင့်စပ်လျဉ်း၍ **လယ်ယာမြေဥပဒေပုဒ်မ ၃၀ (က)** အရ ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉.၁၂.၂၀၁၅) ရက်နေ့ အစည်းအဝေး အမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အပိုဒ် ၂ ၊ အပိုဒ်ခွဲ (က) အရ ခွင့်ပြုရန် သဘောတူပြီးဖြစ်ပါသဖြင့် လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့်(ပုံစံ-၁၅)ကို ဤစာနှင့်အတူ ပူးတွဲလျက်ပေးပို့ပါသည်။

၃။ သို့ဖြစ်ပါ၍ လယ်ယာမြေအား အခြားနည်း အသုံးပြုခွင့် ရရှိသူအနေဖြင့် **လယ်ယာမြေဥပဒေပုဒ်မ ၃၁၊ နည်းဥပဒေ ၉၁** ပါပြဋ္ဌာန်းချက်များနှင့်အညီ တိကျစွာ လိုက်နာဆောင်ရွက်သွားရန်နှင့် သက်ဆိုင်ရာ လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့အဆင့်ဆင့်မှ အထက်ဖော်ပြပါ လယ်ယာမြေဥပဒေ၊ နည်းဥပဒေ ပြဋ္ဌာန်းချက်များနှင့်အညီ စိစစ်ဆောင်ရွက်သွားရန်ဖြစ်ကြောင်း၊ လက်ရှိမြေပြင်တွင် (၆)လ အတွင်း လုပ်ငန်းအမှန်တကယ် အကောင်အထည်ဖော် ဆောင်ရွက်ထားရှိမှု အခြေအနေအား ဓာတ်ပုံမှတ်တမ်းများနှင့်အတူ စိစစ်ပြီး ပြန်လည်တင်ပြသွားရန် အကြောင်းကြားအပ်ပါသည်။

သတိုးအောင်
အတွင်းရေးမှူး
ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

<u>ဦးမျိုးအောင်ပါ(၂)ဦး</u>
<u>ဗဟန်းမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး</u>

မိတ္တူ။

ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
တောင်ပိုင်းခရိုင်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
သန်လျင်မြို့နယ်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန (မြေအသုံးချမှုစာရင်းများ၊ စာရင်းမြေပုံတွင် ပြောင်းလဲမှတ်သားနိုင်ရန် အကြောင်းကြားချက်ဖြင့် ပေးပို့ပါသည်။)
လက်ခံ။

မြေစာရင်းပုံစံ – ၁၀၅

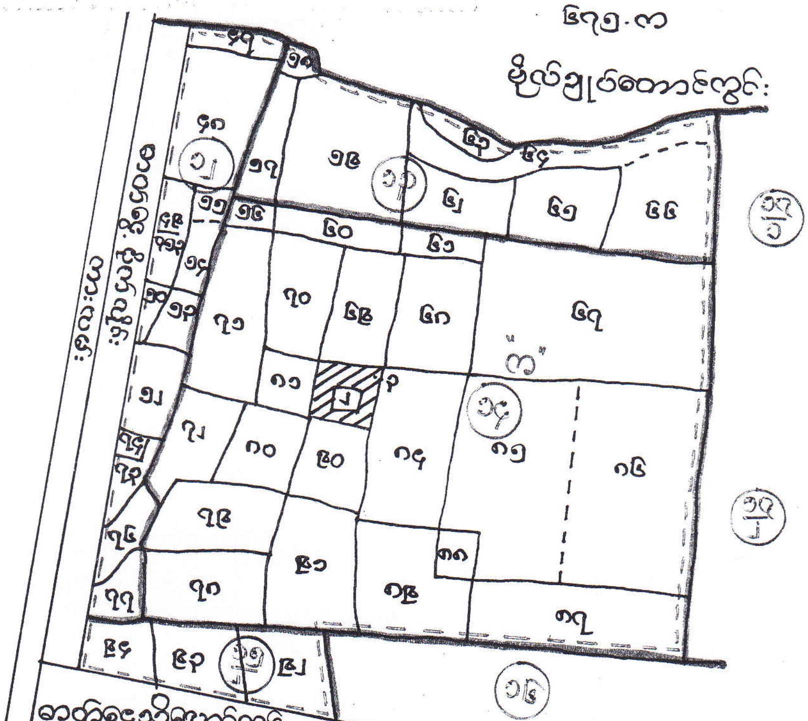
2015 - 0440644

မှန်ကန်ကြောင်း သက်သေခံ ✓ / ~~သက်သေမခံ~~ သော လက်ရှိမြေပုံတွင် ယခုနှစ်အသုံးပြုသော ဦးပိုင်မြေပုံ လက်ခံရေးကူးရန်ပုံစံ

SLRD SECURED

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော် ရုံးခွန်တံဆိပ်ခေါင်း ၃၀၀ကျပ် K 300

စကေး - ၁၆" = တစ်မိုင်

တိုင်းဒေသကြီး/ ပြည်နယ် ရန်ကုန်	
ခရိုင် ရန်ကုန်တောင်ပိုင်း	
မြို့နယ်/ မြို့နယ်ခွဲ သန်လျင်	
ရပ်ကွက်/ ကျေးရွာအုပ်စု မိုးလဲချုပ်	
ကွင်း/ အကွက်အမှတ်နှင့်အမည် ၆၇၂ / ကျောင်းကုန်းအနောက်	
ဦးပိုင်အမှတ်/ မြေကွက်အမှတ် ၁၂၊ ၁၃၊ ၁၄၊ ၁၅/၂	

ဦးပိုင် အမှတ်	အခွန်စည်းကြပ်ခံရသူ/ ပိုင်ရှင်/ ဂရန်ရှင်/ အငှားဂရန်ရှင် အမည်	ပိုင်ဆိုင်ခွင့်	မြေမျိုးနှင့် အတန်း R_1	R_2	ဧရိယာ (ဧ)	မှတ်ချက်
၁၂	ဦးမောင်ဖြူ	အပိုင်ရ	၀.၂၂	၂.၃၃	၂.၅၅	လျှောက်ထားသည့်
၁၃	ဦးကျော်မျိုးလင်း	"	၃.၈၃	-	၃.၈၃	နေရာ [က]
၁၄	ဦးကျော်မျိုးလင်း	"	၁.၂၆	၁၃.၁၈	၁၄.၄၄	
၁၅/၂	ဦးကျော်မျိုးလင်း	"	၀.၉၉	၀.၃၀	၁.၂၉	
			၆.၃၀	၁၅.၈၁	၂၂.၁၁	✓

ရေးကူးပေးသည့်အကြောင်းအရာ	လယ်ယာမြေအား အခြားနည်းအသုံးပြုခြင်းဥပဒေပုဒ်မ (၃၀.က) လျှောက်ထားခြင်း

(အထက်ဖော်ပြပါအကြောင်းအရာအတွက်သာ အသုံးပြုခွင့်ရှိသည်။)

လျှောက်ထားသူအမည် - ဦးမျိုးအောင်

လျှောက်လွှာတင်သည့်နေ့စွဲ - ၁၆. ၁၁. ၂၀၁၅

လျှောက်ထားသူသို့ ထုတ်ပေးသည့်နေ့စွဲ - ၁၈. ၁၁. ၂၀၁၅

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
လယ်မြေအား အခြားနည်းဖြင့်အသုံးပြုရန် ခွင့်ပြုမိန့်

ရန်ကုန် တိုင်းဒေသကြီး/ ပြည်နယ်၊ အနောက်ပိုင်း ခရိုင်၊ ဗဟန်း မြို့နယ်၊ ဗိုလ်ချုပ်ပြတိုက်လမ်း ရပ်ကွက်/ ကျေးရွာအုပ်စုနေ ဦး ကိုအေး ၏ သား/ သမီး ဦး/ဒေါ်/ အဖွဲ့အစည်း မျိုးအောင်ပါ(၂)ဦး နိုင်ငံသား/ အမျိုးသားစိစစ်ရေးကတ်အမှတ် ၁၄/မမန(နိုင်) ၀၀၃၆၇၉ အား လယ်ယာမြေဥပဒေပုဒ်မ ၂၉ နှင့် ၃၀ တို့အရ အောက်ဖော်ပြပါ လယ်မြေကို သတ်မှတ်ထားသည့် စည်းကမ်းချက်များနှင့်အညီ အခြားနည်းဖြင့် အသုံးပြုခွင့်ပြု လိုက်သည်။

အခြားနည်းအသုံးပြုခွင့်ပြုသည့် လယ်မြေအကြောင်းအရာ

ရန်ကုန် တိုင်းဒေသကြီး/ပြည်နယ်၊ တောင်ပိုင်း ခရိုင်၊ သန်လျင် မြို့နယ်

စဉ်	ရပ်ကွက်/ ကျေးရွာ အုပ်စု	ကွင်း/ အကွက် အမှတ်နှင့် အမည်	ဦးပိုင် အမှတ်	မြေမျိုး	ခွင့်ပြုသည့် ဧရိယာ		ခွင့်ပြုသည့် နည်းလမ်း	မှတ် ချက်
					ဧက	ဒသမ		
၁	၂	၃	၄	၅	၆	၇	၈	၉
	ဗိုလ်ချုပ်	၆၇၂၊ ကျောင်းကုန်း အနောက် ကွင်း	ဦးပိုင် ပေါင်း (၄) ခု	လယ်	၂၂	၁၁	ရေနံဓါတ်ငွေ့ရည် တင်သွင်းသိုလှောင် ဖြန့်ဖြူးရောင်းချ ခြင်း လုပ်ငန်း ဆောင်ရွက်ရန် လုပ်ငန်းသုံး မြေနေရာ	
					၂၂	၁၁		

သက်သေခံမြေပုံပူးတွဲထားပါသည်။

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉-၁၂-၂၀၁၅) ရက်နေ့ အစည်းအဝေးအမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အမှတ် ၂ (က) အရ လက်မှတ်ရေးထိုးထုတ်ပေးခြင်းဖြစ်သည်။

ရုံးတံဆိပ်

(-------------------)

အတွင်းရေးမှူး

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

နေပြည်တော်

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၁၈၈ /၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖေါ်ဝါရီလ (၉)ရက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၂၈၄ / ၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉) ရက်

အကြောင်းအရာ။ **လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့် (ပုံစံ-၁၅) များ ပေးပို့ခြင်း**

၁။ ဦးမျိုးအောင်ပါ(၂)ဦးမှ ရန်ကုန်တိုင်းဒေသကြီး၊ တောင်ပိုင်းခရိုင်၊ သန်လျင်မြို့နယ်၊ ဗိုလ်ချုပ်ကျေးရွာ၊ ကွင်းအမှတ် (၆၇၅-က)၊ ဗိုလ်ချုပ်တောင်ကွင်းအတွင်းရှိ လယ်မြေဧရိယာ (၉.၆၇) ဧကကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားလာမှုအပေါ် ရန်ကုန်တိုင်းဒေသကြီး လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ စိစစ်ထောက်ခံချက်ဖြင့် ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့သို့ ပေးပို့ တင်ပြလာပါသည်။

၂။ လယ်ယာမြေကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားချက်နှင့်စပ်လျဉ်း၍ **လယ်ယာမြေဥပဒေပုဒ်မ ၃၀ (က)** အရ ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉.၁၂.၂၀၁၅) ရက်နေ့ အစည်းအဝေး အမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အပိုဒ် ၂ ၊ အပိုဒ်ခွဲ (က) အရ ခွင့်ပြုရန် သဘောတူပြီးဖြစ်ပါသဖြင့် လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့်(ပုံစံ-၁၅)ကို ဤစာနှင့်အတူ ပူးတွဲလျက်ပေးပို့ပါသည်။

၃။ သို့ဖြစ်ပါ၍ လယ်ယာမြေအား အခြားနည်း အသုံးပြုခွင့် ရရှိသူအနေဖြင့် **လယ်ယာမြေဥပဒေပုဒ်မ ၃၀၊ နည်းဥပဒေ ၉၁** ပါပြဋ္ဌာန်းချက်များနှင့်အညီ တိကျစွာ လိုက်နာဆောင်ရွက်သွားရန်နှင့် သက်ဆိုင်ရာ လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့အဆင့်ဆင့်မှ အထက်ဖော်ပြပါ လယ်ယာမြေဥပဒေ၊ နည်းဥပဒေ ပြဋ္ဌာန်းချက်များနှင့်အညီ စိစစ်ဆောင်ရွက်သွားရန်ဖြစ်ကြောင်း၊ လက်ရှိမြေပြင်တွင် (၆)လ အတွင်း လုပ်ငန်းအမှန်တကယ် အကောင်အထည်ဖော် ဆောင်ရွက်ထားရှိမှု အခြေအနေအား ဓာတ်ပုံမှတ်တမ်းများနှင့်အတူ စိစစ်ပြီး ပြန်လည်တင်ပြသွားရန် အကြောင်းကြားအပ်ပါသည်။

သတိုးအောင်
အတွင်းရေးမှူး
ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

ဦးမျိုးအောင်ပါ(၂)ဦး
ဗဟန်းမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး

မိတ္တူ

ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
တောင်ပိုင်းခရိုင်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
သန်လျင်မြို့နယ်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန (မြေအသုံးချမှုစာရင်းများ၊ စာရင်းမြေပုံတွင် ပြောင်းလဲမှတ်သားနိုင်ရန် အကြောင်းကြားချက်ဖြင့် ပေးပို့ပါသည်။)
လက်ခံ။

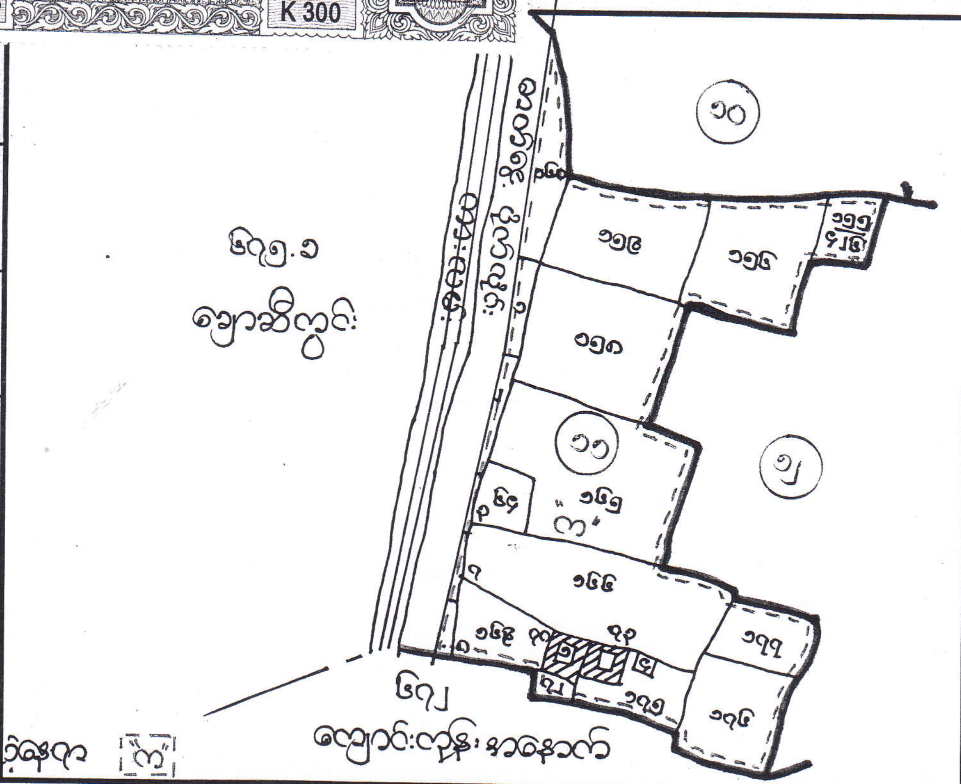
မြေစာရင်းပုံစံ – ၁၀၅

2015 - 0440646

မှန်ကန်ကြောင်း သက်သေခံ / သက်သေမခံ သော လက်ရှိမြေပုံတွင် ယခုနှစ်အသုံးပြုသော ဦးပိုင်မြေပုံ လက်ခံရေးကူးရန်ပုံစံ

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
ရုံးခွန်တံဆိပ်ခေါင်း
၃၀၀ကျပ် K 300

စကေး - ၁၆" = ၁မိုင်

တိုင်းဒေသကြီး/ ပြည်နယ် ရန်ကုန်	
ခရိုင် ရန်ကုန်တောင်ပိုင်း	
မြို့နယ်/ မြို့နယ်ခွဲ သန်လျင်	
ရပ်ကွက်/ ကျေးရွာအုပ်စု ဗိုလ်ချုပ်	
ကွင်း/ အကွက်အမှတ်နှင့်အမည် ၆၇၅.က / ဗိုလ်ချုပ်တောင်	
ဦးပိုင်အမှတ်/ မြေကွက်အမှတ် ၁၁ ပျောက်ထား ၁၁ ညှိနေရာ "က"	

ဦးပိုင် အမှတ်	အခွန်စည်းကြပ်ခံရသူ/ ပိုင်ရှင်/ ဂရန်ရှင်/ အငှားဂရန်ရှင် အမည်	ပိုင်ဆိုင်ခွင့်	မြေမျိုးနှင့် အတန်း	ဧရိယာ (ဧက)	မှတ်ချက်
၁၁	ဒေါ်ခင်ခင်ဝင်း	အပိုင်ရ	R. 2	၉.၆၇	^

ရေးကူးပေးသည့်အကြောင်းအရာ	ယခုတာမြေအား အခြားနည်း အသုံးပြုဥပဒေပုဒ်မ (၃၀.က) ပျောက်ထားကိုနှ

(အထက်ဖော်ပြပါအကြောင်းအရာအတွက်သာ အသုံးပြုခွင့်ရှိသည်။)

လျှောက်ထားသူအမည် - ဦးမျိုးအောင်

လျှောက်လွှာတင်သည့်နေ့စွဲ - ၁၆. ၁၁. ၂၀၁၅

လျှောက်ထားသူသို့ ထုတ်ပေးသည့်နေ့စွဲ - ၁၀ . ၁၁ . ၂၀၁၅

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
လယ်မြေအား အခြားနည်းဖြင့်အသုံးပြုရန် ခွင့်ပြုမိန့်

ရန်ကုန် တိုင်းဒေသကြီး/ ပြည်နယ်၊ အနောက်ပိုင်း ခရိုင်၊ ဗဟန်း မြို့နယ်၊ ဗိုလ်ချုပ်ပြတိုက်လမ်း ရပ်ကွက်/ ကျေးရွာအုပ်စုနေ ဦး ကိုအေး ၏ သား/ သမီး ဦး/ဒေါ်/ အဖွဲ့အစည်း မျိုးအောင်ပါ(၂)ဦး နိုင်ငံသား/ အမျိုးသားစိစစ်ရေးကတ်အမှတ် ၁၄/မမန(နိုင်) ၀၀၃၆၇၉ အား လယ်ယာမြေဥပဒေပုဒ်မ ၂၉ နှင့် ၃၀ တို့အရ အောက်ဖော်ပြပါ လယ်မြေကို သတ်မှတ်ထားသည့် စည်းကမ်းချက်များနှင့်အညီ အခြားနည်းဖြင့် အသုံးပြုခွင့်ပြု လိုက်သည်။

အခြားနည်းအသုံးပြုခွင့်ပြုသည့် လယ်မြေအကြောင်းအရာ
ရန်ကုန် တိုင်းဒေသကြီး/ပြည်နယ်၊ တောင်ပိုင်း ခရိုင်၊ သန်လျင် မြို့နယ်

စဉ်	ရပ်ကွက်/ ကျေးရွာ အုပ်စု	ကွင်း/ အကွက် အမှတ်နှင့် အမည်	ဦးပိုင် အမှတ်	မြေမျိုး	ခွင့်ပြုသည့် ဧရိယာ		ခွင့်ပြုသည့် နည်းလမ်း	မှတ်ချက်
					ဧက	ဒဿမ		
၁	၂	၃	၄	၅	၆	၇	၈	၉
	ဗိုလ်ချုပ်	၆၇၅-က၊ ဗိုလ်ချုပ် တောင် ကွင်း	၁၁	လယ်	၉	၆၇	ရေနံဓါတ်ငွေ့ရည် တင်သွင်းသိုလှောင် ဖြန့်ဖြူးရောင်းချခြင်း လုပ်ငန်းဆောင်ရွက်ရန် လုပ်ငန်းသုံးမြေနေရာ	
					၉	၆၇		

သက်သေခံမြေပုံပူးတွဲထားပါသည်။

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉-၁၂-၂၀၁၅) ရက်နေ့ အစည်းအဝေးအမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အမှတ် ၂ (က) အရ လက်မှတ်ရေးထိုးထုတ်ပေးခြင်းဖြစ်သည်။

(------------------)
အတွင်းရေးမှူး
ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
နေပြည်တော်

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၁၀၂ /၂၀၁၆)
ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉)ရက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၂၀၈ / ၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉) ရက်

အကြောင်းအရာ။ **လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့် (ပုံစံ-၁၅) များ ပေးပို့ခြင်း**

၁။ ဦးမျိုးအောင်ပါ(၂)ဦးမှ ရန်ကုန်တိုင်းဒေသကြီး၊ တောင်ပိုင်းခရိုင်၊ သန်လျင်မြို့နယ်၊ သနပ်ပင်ကျေးရွာ၊ ကွင်းအမှတ် (၆၈၆-A/ E)၊ ဘော့ချောင်းတောင်ကွင်းအတွင်းရှိ လယ်မြေဧရိယာ (၁၀.၅၆) ဧက ကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားလာမှုအပေါ် ရန်ကုန်တိုင်းဒေသကြီး လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ စိစစ်ထောက်ခံချက်ဖြင့် ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့သို့ ပေးပို့တင်ပြလာပါသည်။

၂။ လယ်ယာမြေကို အခြားနည်းဖြင့် အသုံးပြုရန် လျှောက်ထားချက်နှင့်စပ်လျဉ်း၍ **လယ်ယာမြေဥပဒေပုဒ်မ ၃၀ (က)** အရ ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉.၁၂.၂၀၁၅) ရက်နေ့ အစည်းအဝေး အမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အပိုဒ် ၂ ၊ အပိုဒ်ခွဲ (က) အရ ခွင့်ပြုရန် သဘောတူပြီးဖြစ်ပါသဖြင့် လယ်မြေအား အခြားနည်းဖြင့် အသုံးပြုရန် ခွင့်ပြုမိန့်(ပုံစံ-၁၅)ကို ဤစာနှင့်အတူ ပူးတွဲလျက်ပေးပို့ပါသည်။

၃။ သို့ဖြစ်ပါ၍ လယ်ယာမြေအား အခြားနည်း အသုံးပြုခွင့် ရရှိသူအနေဖြင့် **လယ်ယာမြေဥပဒေပုဒ်မ ၃၁၊ နည်းဥပဒေ ၉၁** ပါပြဋ္ဌာန်းချက်များနှင့်အညီ တိကျစွာ လိုက်နာဆောင်ရွက်သွားရန်နှင့် သက်ဆိုင်ရာ လယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့အဆင့်ဆင့်မှ အထက်ဖော်ပြပါ လယ်ယာမြေဥပဒေ၊ နည်းဥပဒေ ပြဋ္ဌာန်းချက်များနှင့်အညီ စိစစ်ဆောင်ရွက်သွားရန်ဖြစ်ကြောင်း၊ လက်ရှိမြေပြင်တွင် (၆)လ အတွင်း လုပ်ငန်းအမှန်တကယ် အကောင်အထည်ဖော် ဆောင်ရွက်ထားရှိမှု အခြေအနေအား ဓာတ်ပုံမှတ်တမ်းများနှင့်အတူ စိစစ်ပြီး ပြန်လည်တင်ပြသွားရန် အကြောင်းကြားအပ်ပါသည်။

သိတိုးအောင်
အတွင်းရေးမှူး
ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့

ဦးမျိုးအောင်ပါ(၂)ဦး
ဗဟန်းမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး

မိတ္တူ။

ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
ရန်ကုန်တိုင်းဒေသကြီးလယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
တောင်ပိုင်းခရိုင်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန
သန်လျင်မြို့နယ်လယ်ယာမြေစီမံခန့်ခွဲရေးနှင့်စာရင်းအင်းဦးစီးဌာန (မြေအသုံးချမှုစာရင်းများ၊ စာရင်းမြေပုံတွင် ပြောင်းလဲမှတ်သားနိုင်ရန် အကြောင်းကြားချက်ဖြင့် ပေးပို့ပါသည်။)
လက်ခံ။

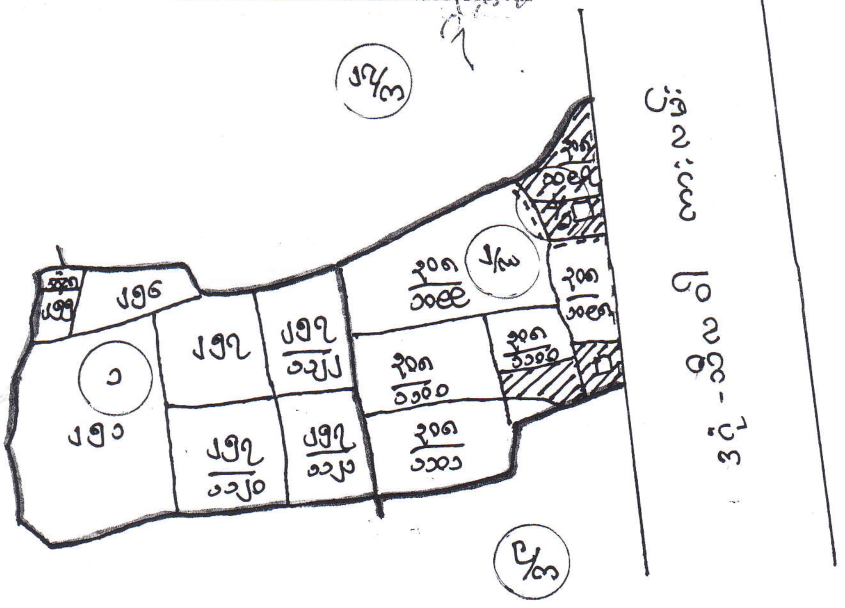
မြေစာရင်းပုံစံ – ၁၀၅

2015 - 0440651

မှန်ကန်ကြောင်း သက်သေခံ / ~~သက်သေမခံ~~ သော လက်ရှိမြေပုံတွင် ယခုနှစ်အသုံးပြုသော ဦးပိုင်မြေပုံ လက်ခံရေးကူးရန်ပုံစံ

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
ရုံးခွန်တံဆိပ်ခေါင်း
၃၀၀ကျပ် K 300

စကေး ၁၆" = ၁မိုင်

တိုင်းဒေသကြီး/ ပြည်နယ် ရန်ကုန်	
ခရိုင် တောင်ပိုင်း	
မြို့နယ်/ မြို့နယ်ခွဲ သန်လျင်	
ရပ်ကွက်/ ကျေးရွာအုပ်စု သနပင်	
ကွင်း/ အကွက်အမှတ်နှင့်အမည် ၆၈၆. A/E ၊ ကျောချောင်းကောင်	
ဦးပိုင်အမှတ်/ မြေကွက်အမှတ် ၁ ၊ ၂/ခ ၊ ၂/ဃ	

ဦးပိုင် အမှတ်	အခွန်စည်းကြပ်ခံရသူ/ ပိုင်ရှင်/ ဂရန်ရှင်/ အငှားဂရန်ရှင် အမည်	ပိုင်ဆိုင်ခွင့်	မြေမျိုးနှင့် အတန်း	ဧရိယာ (ဧက)	မှတ်ချက်
၁	ဦးကိုက်လောင်း	အမွေရ	R-1	၅.၈၄	
၂/ခ	ဦးမျိုးအောင် (ပါ၁၂)	"	"	·၃၀	
၂/ဃ	ဦးကိုက်လောင်း	"	"	၄.၄၂	
				၁၀.၅၆	✓

ရေးကူးပေးသည့်အကြောင်းအရာ	လယ်ယာမြေ အခြားနည်းအသုံးပြုမှု ပုဒ်မ ၃၀(က) လျှောက်ချက်

(အထက်ဖော်ပြပါအကြောင်းအရာအတွက်သာ အသုံးပြုခွင့်ရှိသည်။)

လျှောက်ထားသူအမည် - ဦးမျိုးအောင် (ပါ၁၂)

လျှောက်လွှာတင်သည့်နေ့စွဲ - ၂၀ - ၇ - ၂၀၁၅

လျှောက်ထားသူသို့ ထုတ်ပေးသည့်နေ့စွဲ - ၁၀ - ၈ - ၂၀၁၅

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
လယ်မြေအား အခြားနည်းဖြင့်အသုံးပြုရန် ခွင့်ပြုမိန့်

ရန်ကုန် တိုင်းဒေသကြီး/ ပြည်နယ်၊ အနောက်ပိုင်း ခရိုင်၊ ဗဟန်း မြို့နယ်၊ ဗိုလ်ချုပ်ပြတိုက်လမ်း ရပ်ကွက်/ ကျေးရွာအုပ်စုနေ ဦး ကိုအေး ၏ သား/ သမီး ဦး/ဒေါ်/ အဖွဲ့အစည်း မျိုးအောင်ပါ(၂)ဦး နိုင်ငံသား/ အမျိုးသားစိစစ်ရေးကတ်အမှတ် ၁၄/မမန(နိုင်) ၀၀၃၆၇၉ အား လယ်ယာမြေဥပဒေပုဒ်မ ၂၉ နှင့် ၃၀ တို့အရ အောက်ဖော်ပြပါ လယ်မြေကို သတ်မှတ်ထားသည့် စည်းကမ်းချက်များနှင့်အညီ အခြားနည်းဖြင့် အသုံးပြုခွင့်ပြု လိုက်သည်။

အခြားနည်းအသုံးပြုခွင့်ပြုသည့် လယ်မြေအကြောင်းအရာ
ရန်ကုန် တိုင်းဒေသကြီး/ပြည်နယ်၊ တောင်ပိုင်း ခရိုင်၊ သန်လျင် မြို့နယ်

စဉ်	ရပ်ကွက်/ ကျေးရွာ အုပ်စု	ကွင်း/ အကွက် အမှတ်နှင့် အမည်	ဦးပိုင် အမှတ်	မြေမျိုး	ခွင့်ပြုသည့် ဧရိယာ		ခွင့်ပြုသည့် နည်းလမ်း	မှတ် ချက်
					ဧက	ဒသမ		
၁	၂	၃	၄	၅	၆	၇	၈	၉
	သနပ်ပင်	၆၈၆-A/ E၊ ဘော့ချောင်း တောင်ကွင်း	ဦးပိုင် ပေါင်း (၃) ခု	လယ်	၁၀	၅၆	ရေနံဓါတ်ငွေ့ရည် တင်သွင်းသိုလှောင် ဖြန့်ဖြူးရေးအတွက် ယာဉ်ယန္တရား စက်ပစ္စည်းများ ထားရန်နှင့် ပြုပြင် ထိန်းသိမ်းရန် လုပ်ငန်းသုံးမြေနေရာ	
					၁၀	**၅၆**		

သက်သေခံမြေပုံပူးတွဲထားပါသည်။

ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့၏ (၂၉-၁၂-၂၀၁၅) ရက်နေ့ အစည်းအဝေးအမှတ်စဉ် (၁၂/ ၂၀၁၅) ဆုံးဖြတ်ချက်အမှတ် ၂ (က) အရ လက်မှတ်ရေးထိုးထုတ်ပေးခြင်းဖြစ်သည်။

ရုံးတံဆိပ်

(------------------)
အတွင်းရေးမှူး
ဗဟိုလယ်ယာမြေစီမံခန့်ခွဲမှုအဖွဲ့
နေပြည်တော်

စာအမှတ်၊ ၁၅/ လယ-၃၀ (၁၈၀ /၂၀၁၆)
ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉)ရက်

Lease Agreement

Dated

BETWEEN

U Myo Aung & Ms Aye Aye Mon

AND

[Ava Gas Company Myanmar]

THIS LEASE AGREEMENT is made on__________ in Yangon, Republic of the Union of Myanmar

BETWEEN

(1) Mr Myo Aung, Myanmar National holding national identification number __________________ and resident at ___________________, Myanmar (hereinafter the"Lessor" which expression shall include its successors, legal representatives and permitted assigns)

AND

(2) [Ava Gas Company Myanmar] incorporated in Myanmar with registered number [ ]and having its registered office at [ ] (hereinafter the"Lessee", which expression shall include its successors, legal representatives and permitted assigns)

WHEREAS:

(A) The Lessor owns the land which is demarcated in red on the site map annexed hereto as Schedule 1("the Premises"). It is proposed that the Lessee is to construct buildings, structures, fixtures and facilities ("Buildings") on the Premises for purposes of the proposed Business (as defined below).

(B) The Lessor agrees to lease to the Lessee, and the Lessee agrees to lease from the Lessor, the Premises under the terms of this Lease Agreement.

NOW THEREFORE the parties hereby agree as follows:

1. DEFINITIONS AND INTERPRETATION

1.1. Definitions

In this Lease Agreement, the following words and expressions shall have the following meanings:

"Affiliate" means in relation to any body corporate, any subsidiary or parent undertaking of that body corporate and any other subsidiary of that parent undertaking;

"Applicable Law" means the Laws of the Republic of the Union of Myanmar;

"Buildings" has the meaning given in Recital A;

"Business" means use for [general commercial and/or industrial purposes including but not limited to manufacturing, warehousing, the operation of a plant for processing oil, gas or other chemicals and the construction, management and operation of such facilities and conducting all related activities];

"Commencement Date" has the meaning given in Article 4.1;

"Conditions Precedent" has the meaning given in Article 2.1;

"Encumbrance" means any form of legal, equitable or security interest, including but not limited to any mortgage, assignment of receivables, debenture, lien, charge, pledge, title retention, right to acquire, security interest, hypothecation, option, easement, right of first refusal, any preference arrangement (including title transfers and retention arrangements or otherwise), and any other encumbrance or condition whatsoever or any other arrangements having similar effect;

"Long Stop Date" means 31st December 2016 or such other date as the Lessor and the Lessee may agree in writing;

"MIC" means the Myanmar Investment Commission;

"Plan" means the site map annexed hereto as Schedule 1;

"Premises" has the meaning given in Recital A;

"Rent" has the meaning given in Article 5;

"Relevant Authority" means any responsible governmental, state, statutory, provincial, local government or municipal authority;

"Term" has the meaning given in Article 4.1; and

"Utilities" has the meaning given in Article 7.1.3.

1.2. Headings of articles and schedules shall be deemed to have been included for purposes of convenience only and shall not affect the interpretation of this Lease Agreement.

1.3. Words relating to any gender shall include the other genders, words relating to the singular shall include the plural and vice versa.

1.4. Any reference to a person shall include a reference to an individual, firm, company, corporation, partnership, unincorporated body of persons, government, state or state agency and that person's personal representatives, successors, permitted assigns and permitted transferees.

1.5. Any reference to a statute or statutory provision is a reference to it as amended, extended or re-enacted from time to time and shall include all subordinate legislation made from time to time under that statute or statutory provision.

1.6. Any reference in this Lease Agreement to a party shall include that party’s successors and permitted assigns.

1.7. The words "include", "including" and "in particular" shall be construed as being by way of example or emphasis only and shall not be construed as, nor shall they take effect as, limiting the generality of any preceding word/s.

2. CONDITIONS PRECEDENT

2.1. The obligation of the Lessor and Lessee to continue with this Lease Agreement is conditional upon the following conditions precedent("Conditions Precedent") being fulfilled by the Long Stop Date:

2.1.1. the approval of the MIC for the incorporation of the Lessee under the Foreign Investment Law of Myanmar

2.1.2. the incorporation of the Lessee under the Myanmar Companies Act;

2.1.3. where necessary (as reasonably determined by the Lessee), the Lessor having obtained the prior written consent of all Relevant Authorities for the Lessor to enter into this Lease Agreement;

2.2. The Lessee undertakes to use best efforts in order to secure compliance with the Condition Precedent referred to in Article 2.1.1 PROVIDED THAT the Lessee shall promptly provide the Lessor with true copies of any consents obtained in accordance with Article 2.1.1.

2.3. The Lessor undertakes to use best efforts in order to secure compliance with the Conditions Precedent referred to in Articles 2.1.2 to [2.1.3]PROVIDED THAT the Lessor shall promptly provide the Lessee with true copies of any consents obtained in accordance with Articles 2.1.2 to [2.1.3].

2.4. If any of the Conditions Precedent has not been fulfilled by the Long Stop Date, then on written notice given by the Lessor or Lessee as to its intention to so terminate, this Lease Agreement shall lapse and terminate, except in respect of any antecedent breach and any provision intended by the parties to survive termination PROVIDED THAT the Lessor shall not have the right to give such notice of termination if it is in default of Article 2.23.

3. LEASE

3.1. Subject to the provisions of this Lease Agreement (including the fulfilment of the Conditions Precedent) and all Applicable Laws, the Lessor hereby leases to the Lessee the Premises for the Term, together with all the rights, easements and appurtenances thereto.

4. TERM

4.1. This Lease Agreement shall be for a term of 50 years, with two ten year extensions subject to same being afforded in the license from MIC("Term") commencing on the date of completion of the construction of the Buildings for the Business("CommencementDate").

4.2. If during the Term, Applicable Laws permit a longer term of lease of the Premises to be granted to the Lessee than that provided under this Lease Agreement, the Lessor shall, at the request of the Lessee, do all such things as may be necessary to lease the Premises to the Lessee for such further term(s) to the full extent allowed under Applicable Laws, and on substantially the same terms and conditions contained in this Lease Agreement PROVIDED ALWAYS that:

4.2.1. the Lessee shall extend all reasonable assistance and cooperation to the Lessor in respect of any matter to be done or step to be taken under any Applicable Law to extend or renew the term of the Term; and

4.2.2. the Lessee shall bear and shall indemnify the Lessor for any and all costs and expenses that may be incurred in connection with the extension or renewal of the Lease Agreement, such costs and expenses to include, without limitation, legal costs, stamp duties, governmental and other fees and taxes payable in relation thereto, but the Lessor shall use its best efforts to minimise such costs and expenses.

5. LEASE PREMIUM and RENT

5.1. The Lessee shall pay a lease premium equal to the 25,000 USD per acre of land to the Lessor. Any taxes or other dues such as Stamp Duty shall be deducted from this amount by the Lessor and paid to the relevant authorities.

5.4 The Lessee shall pay the sum of 25,000 USD per acre of land leased for up to a total of 42 acres in the way of an annual rental payment commencing 1 year after the execution of this agreement one year in advance. This rent shall be subject to review once every 5 years from the date of execution of this agreement and shall be subjected to a variation of not more then 5 % according to guidelines issued by the Myanmar Investment Commission. For the first three years following execution of this agreement the Lessee shall pay the annual rental payment for a total of 31.78 acres only.

6. REPRESENTATIONS AND WARRANTIES

6.1. General Mutual Warranties

Each party to this Lease Agreement represents and warrants to the other party that:

6.1.1. it is duly incorporated under the laws of its jurisdiction;

6.1.2. it has the power and capacity to enter into and to exercise its rights and to perform its obligations under this Lease Agreement;

6.1.3. it has taken all necessary action to authorise the execution of and the performance of its obligations under this Lease Agreement;

6.1.4. subject to the Conditions Precedent to be fulfilled pursuant to Article 2, all consents, licences, approvals or authorisations of, exemptions by or registrations with or declarations by, any Relevant Authority required by it with respect to this Lease Agreement have been obtained or made, are valid and subsisting and will not be contravened by the execution or performance of this Lease Agreement;

6.1.5. the obligations expressed to be assumed by it under this Lease Agreement are legal, valid, binding and enforceable;

6.1.6. neither execution nor performance of this Lease Agreement will contravene any provision of;

(a) any existing law, treaty or regulation;

(b) any obligation (contractual or otherwise) which is binding upon it, or upon any of its assets;

6.1.7. no litigation, arbitration or administrative proceeding is current or pending or, so far as it is aware, threatened (a) to restrain its entry into and/or performance or enforcement of or compliance with its obligations under this Lease Agreement or (b) which has or could have a material adverse effect on this Lease Agreement or the Premises or any part thereof; and

6.1.8. no steps have been taken by it nor have any legal proceedings been started or threatened for its insolvency or for the appointment of a receiver, trustee or similar officer of any of its assets.

6.2. Lessor's Warranties

6.2.1. The Lessor represents, warrants and undertakes to the Lessee on the terms set out in this Article 6.2. The Lessee has entered into this Lease Agreement in reliance on the said representations, warranties and undertakings of the Lessor.

6.2.2. Each of the representations, warranties and undertakings of the Lessor in this Article 6.2.2 shall be true and correct in all respects as at the date of this Lease Agreement; and notwithstanding the foregoing, each of the representations, warranties and undertakings of the Lessor in Articles 6.2.2(a), 6.2.2(b)(i),6.2.2(b)(ii) and6.2.2(b)(iii)shall be true and correct at all times during the Term as if repeated at that time with reference to the facts and circumstances then existing:

Title and Grant

(a) The Lessor is the sole legal and beneficial owner of the Premises and has all legal and beneficial rights to lease the Premises to the Lessee upon the terms and conditions of this Lease Agreement.

(b) The documents of title in respect of the Premises furnished by the Lessor to the Lessee are true, complete and accurate in all respects as on the date so furnished. The documents of title in respect of the Premises have been duly stamped within the time period prescribed under Applicable Law and shall be and remain valid and subsisting throughout the Term and:

(i) the Lessor has since the date on which it acquired ownership of the Premises complied with, and shall at all times comply with, all duties and obligations which are on its part to be observed or performed under Applicable Law in respect of the Premises;

(ii) since the date on which the Lessor acquired ownership of the Premises there has been no breach of, and there shall be no breach of, any of the duties and obligations which are on its part to be observed or performed under Applicable Law in respect of the Premises; and

(iii) there is no actual, pending or threatened action, dispute, claim or demand against the Lessor in respect of or affecting the Premises (whether or not the same could give rise to any costs, liabilities or other obligations binding on the Lessee), nor are there any circumstances (that the Lessor is aware or ought to reasonably be aware of) which could give rise to any action, dispute, claim or demand against the Lessor or any other person in respect of or affecting the Premises.

(c) The Lessor has not received any claim from any person alleging any right of adverse possession with respect to the Premises, nor has the Lessor received any notice of acquisition or intended acquisition of the Premises from any Relevant Authority, in whole or in part, and the Lessor is not aware of the same.

(d) The Lessor is not and shall not be prohibited or restricted from granting rights to the Lessee under Applicable Laws, in the manner and for the purposes contemplated by this Lease Agreement.

(e) The Premises are free from any and all Encumbrances and the Lessor shall not at any time sell, transfer, assign or otherwise dispose of, or create any Encumbrance over, the Premises or any part thereof without the prior written consent of the Lessee.

Buildings and Premises

(f) The Lessor is not aware of any reason, defect or issues with or on the land as to why the Lessee shall not be able to construct Buildings on the Premises.

(g) No notice, order or direction has been issued by any Relevant Authority under any Applicable Laws, that is still outstanding requiring any person to perform building works or rectification works or cease such works in respect of the Premises, and there is no fact or circumstance that the Lessor is aware of or reasonably ought to be aware of whereby such notice, order or direction may be issued.

Legal Matters

(h) The use of the Premises for the Business is in compliance with approved use, zoning and requirements under the terms and conditions of all Applicable Laws.

(i) All statutory and other licenses, consents, permits and authorities necessary for the use of the Premises for the Business have been obtained and are valid and subsisting and there is no fact or circumstance that the Lessor is aware of or reasonably ought to be aware of that would prejudice the continuance or renewal of any such license, consent, permit or authority.

(j) There are no covenants, restrictions, burdens, stipulations, way leaves, easements, conditions, outgoings, terms, overriding interests, rights or licenses affecting the Premises which are of an unusual or onerous

nature or which adversely affect the use of the Premises for the Business.

(k) Save to the extent required under Applicable Laws, there are no agreements creating any easements, restrictions or other rights affecting the Premises for the benefit of adjoining properties.

(l) No notice, order or direction has been issued by any Relevant Authority under any Applicable Law pertaining to health, safety, pollution or environmental protection in respect of the Premises (including in respect of the development, construction and fitting-out of the Buildings) which could give rise to any costs, liabilities or other obligations binding on the Lessee, and there is no fact or circumstance that the Lessor is aware of or reasonably ought to be aware of whereby such notice, order or direction may be issued.

(m) As far as the Lessor is aware, there is no controlled waste, commercial waste, industrial waste, toxic or other deleterious or dangerous substances that have been buried or disposed of at the Premises as at the date of this Lease Agreement.

(n) Neither the Lessor nor its Affiliates, nor their respective employees, officers, shareholders, contractors and sub-contractors have breached their respective obligations under any Applicable Law pertaining to health, safety, pollution or environmental protection in connection with the Premises.

6.2.3. The Lessor shall indemnify and keep the Lessee fully indemnified from and against any and all damage, loss, liability, cost or expense which may be made or brought against the Lessee, or which the Lessee may suffer or incur if any of the Lessor's representations, warranties or undertakings contained in this Article 6.2 is unfulfilled, untrue, incorrect or breached in any respect.

7. PARTIES' OBLIGATIONS

7.1. Lessee's Obligations

7.1.1. The Lessee shall use the Premises for the purpose of constructing the Buildings and carrying on the Business.

7.1.2. The Premises shall be used for purposes that are lawful and the Lessee shall, in using the Premises, ensure that all activities and operations on the Premises or any part thereof (including the Buildings and related facilities) are carried on in compliance or otherwise in conformity with Applicable Laws.

7.1.3. The Lessee shall as soon as possible after the Commencement Date, establish account(s) in the Lessee's name with Relevant Authorities or vendors for the provision of water, electricity, telecommunications services and other utilities("Utilities") to be provided to the Premises. The Lessee shall, on and from the Commencement Date, bear all costs in connection with the supply of Utilities to the Premises.

7.1.4. For the duration of the Term, the Lessee shall maintain and take due care of the Premises provided that it is acknowledged and permitted by the Lessor that the Lessee may construct, vary, alter, demolish, develop and redevelop the Buildings on the Premises from time to time at the Lessee's discretion.

7.1.5. For the duration of the Term, the Lessee shall bear and pay all rates, taxes, assessments and outgoings (including any land-revenue tax and land tax) that is imposed upon or in respect of the Premises or part thereof during the Term.

7.2. Lessor's Obligations

7.2.1. The Lessor shall ensure that the Lessor remains at all times a corporation duly incorporated, validly existing and in good standing under the laws of Myanmar, and is duly qualified to do business and is in good standing in each jurisdiction in which the conduct of its business or the ownership or leasing of its properties requires such qualification.

7.2.2. The Lessor shall not assign or transfer any of its rights or obligations under this Lease Agreement without the prior written consent of the Lessee.

7.2.3. The Lessor shall immediately notify the Lessee of any claim from any person alleging any right of adverse possession with respect to the Premises, in whole or in part, and the Lessor shall provide the Lessee with full details thereof and discuss and use best efforts to agree how to proceed PROVIDED THAT the Lessor alone shall be required to fully compensate and indemnify any person alleging any right of adverse possession with respect to the Premises, in whole or in part, in accordance with Applicable Law (without any recourse to the Lessee). The Lessor shall ensure that, in the event of any claim from any person alleging any right of adverse possession with respect to the Premises, this shall not in any way affect the Lessee's rights in respect of the Premises in accordance with the terms of this Lease Agreement (including without limitation the Lessee's right to occupy the Premises with quiet enjoyment and without any interruption or disturbance) and shall not in any way affect the operation of the Lessee's Business on the Premises.

7.2.4. The Lessor shall immediately notify the Lessee of any notice of acquisition or intended acquisition of the Premises from any Relevant Authority, in whole or in part, and the Lessor shall, as may be required by the Lessee, provide the Lessee with full details thereof and shall discuss and use best efforts to agree how to proceed. In the event that the Lessor receives any proceeds in connection with an acquisition of the Premises by any Relevant Authority, the Lessor shall forthwith account for and pay all such proceeds received to the Lessee. Until such proceeds are paid to the Lessee, the Lessor shall procure that such proceeds are paid into a separate bank account in the Lessor's name and the Lessor shall hold such proceeds on trust for the Lessee and any interest accruing in the bank account shall vest in and belong to the Lessee. For the avoidance of doubt, this shall be the sole remedy of the Lessee against the Lessor in respect of any acquisition of the Premises by a Relevant Authority under this Article7.2.34.

7.2.5. The Lessor shall do all acts and things necessary to ensure that the rights of the Lessee under this Lease Agreement remain in effect until the expiry date of the Term, and for purposes of the foregoing, the Lessor shall keep the Lessee informed with full details, and shall comply with all reasonable directions of the Lessee.

7.2.6. The Lessor shall co-operate with and assist the Lessee to obtain all necessary approvals of any Relevant Authority or third party as may be required by the Lessee from time to time in connection with this Lease Agreement, the Premises or any business or activity to be carried out by the Lessee at the Premises if and when required by law.

7.2.7. The Lessor shall promptly give notice in writing to the Lessee of any official notification or other document received by the Lessor from any Relevant Authority with respect to the Premises or the use or occupation thereof, or which may otherwise affect the rights or obligations of the Lessee in respect of the Premises or this Lease Agreement.

7.2.8. The Lessor shall promptly at its own costs and expense, undertake any and all works to rectify any breach of its warranties under Articles 6.2.2(f) and 6.2.2(g). If carried out during the Term, the Lessor shall comply with the reasonable directions of the Lessee and shall take all necessary steps to minimize inconvenience to the Lessee and disruption to the business of the Lessee.

7.2.9. The Lessor shall permit the Lessee to occupy the Premises with quiet enjoyment at all times in accordance with Article 8.1.

7.2.10. The Lessor shall grant or procure the grant of a right of way at all times and for all purposes to enable the construction and subsequent use of a road between the Premises and the road shown coloured blue on the Plan by all persons and vehicles at no cost to the Lessee.

7.2.11. The Lessor shall grant or procure the grant of any and all necessary permissions or consents to use the area shown edged green on the Plan for constructing and operating a jetty for cargo, vessels and shipments in accordance with the Business.

8. LESSEE'S RIGHTS

8.1. The Lessee shall peaceably and quietly hold and enjoy possession of the Premises during the Term without any interruption or disturbance by the Lessor or any person lawfully claiming under or in trust for the Lessor.

8.2. The Lessee shall be permitted to use the Premises for the Business PROVIDED THAT, subject always to the approval of Relevant Authorities (if applicable), the Lessee shall be permitted in its absolute discretion at any time and from time to time during the Term to use the Premises (or any part thereof) as a commercial and/or industrial facility.

8.3. Subject always to the approval of Relevant Authorities (if applicable), the Lessee shall at any time, with the written consent of the Lessor, be entitled to:

8.3.1. sub-lease all or any of the Premises to any person; or

8.3.2. assign or transfer any interest in the Premises (or any part thereof) hereby created.

8.4. Subject always to all Applicable Laws, the Lessee shall be entitled in its absolute discretion at any time and from time to time during the Term, with the consent of MIC and the L , to carry out such works as it may determine from time to time (hereinafter called "theWorks") on the Premises (or any part thereof, including any Building) to:

8.4.1. redevelop, develop, vary, alter or demolish the Premises and Buildings or any part thereof; or

8.4.2. alter the Premises and Buildings (or any part thereof) by the addition of anything thereto or the removal of anything therefrom;

provided always that the Works shall be carried out and completed by the Lessee who shall have sole discretion with respect to layout, design, specifications, colour scheme, materials and all other matters relating to the Works, and all costs pertaining to the

Works including building, professional fees and other related expenses shall be borne by the Lessee. The Lessee shall, if necessary and applicable, prior to the commencement of the Works, obtain from all the Relevant Authorities pursuant to the provisions of any Applicable Laws, such approval as may be required in respect of the Works and comply with all the terms and conditions imposed by the Relevant Authorities in respect of the Works. To enable the Lessee to implement the Works, the Lessor undertakes to co-operate with and assist the Lessee in the manner required by the Lessee and to comply with all requirements necessary for the smooth and speedy completion of the Works. The Lessee shall reimburse the Lessor's costs and expenses incurred in rendering such cooperation and assistance to the Lessee, provided such costs and expenses are approved by the Lessee prior to being incurred.

8.5. All buildings, alterations, additions, structures, fixtures, fittings, installations, equipment, machinery, furniture and furnishings which are constructed or installed by the Lessee under the Works are regarded as"Lessee's Works and Materials"and may at any time be removed from the Premises by the Lessee in its absolute discretion, without the prior consent of the Lessor, so long as such removal does not cause permanent material damage to the Premises or the Lessee makes good such damages. All Lessee's Works and Materials shall be and remain the property of the Lessee, provided that if the Lessee fails to remove the same from the Premises on or before the expiry of the Term, the Lessor shall have the right to retain or dispose of or otherwise deal with such said Lessee's Works and Materials, without having to pay any compensation to the Lessee.

8.6. The Lessee shall be permitted to use the roadway (and any ancillary facilities) constructed in accordance with Article 7.2.10 and the jetty (and any ancillary facilities) constructed in accordance with Article7.2.11.

8.7. The Lessee shall be permitted to construct a fence around the perimeter of the Premises.

9. MINERAL RESOURCES AND TREASURES

Mineral resources, treasures, gems and other natural resources discovered unexpectedly from, in or under the Premises during the Term shall be the property of the Government of Myanmar, and the Lessor shall be at liberty to excavate the aforesaid at any time, provided that if the operations of the Lessee shall be disrupted at any time, the prior written consent of the Lessee shall be obtained and the Lessor shall provide reasonable compensation to the Lessee (as is agreed in writing by the parties) for the disruption.

10. TERMINATION

10.1. This Lease Agreement shall remain in full force and effect as between the parties until the earlier of:

10.1.1. the dissolution of the Lessee;

10.1.2. the expiry of the Term; or

10.1.3. the written agreement of the parties that it be terminated.

10.2. Save as provided in Article 2.3 or 10.1, or the requirements of any Applicable Law, this Lease Agreement shall not be terminated.

10.3. Termination of this Lease Agreement shall be without prejudice to any accrued rights or obligations of the parties up to the date of termination.

11. HAND-OVER ON EXPIRY OR TERMINATION

11.1. At the end of the Term or in the event that this Lease Agreement is terminated prior to its expiry date, the Lessee shall surrender and hand-over the Premises to the Lessor within six (6) months from the expiry of the Term or date of termination or such shorter period as may be required under any Applicable Law, as applicable, in an as-is where-is condition as on the date that the Premises are handed back and surrendered to the Lessor (subject always to the Lessee's rights under Articles 8.4 and 8.5 above and the obligation of the Lessee to make good any damage caused to the Premises by the exercise of the Lessee's rights) and to avoid doubt there shall be no obligation on the Lessee to reinstate any of the Premises or Buildings.

12. FORCE MAJEURE

12.1. If a party is temporarily rendered unable wholly or partly by Force Majeure to perform its duties or accept the performance by the other party under this Lease Agreement or, in the case of the Lessee, to enjoy the use of the Premises as contemplated herein, it is agreed that the affected party shall give notice to the other party within fourteen (14) days after that occurrence of the cause relied upon, giving full particulars in writing of such Force Majeure. The duties of such party as are affected by such Force Majeure shall be suspended during the continuance of the disability so caused (which for the avoidance of doubt shall include the suspension of any rent payable by the Tenant under Article 5 whilst the Tenant is not able to enjoy the use of the Premises as contemplated herein), but for no longer period, and such cause shall as far as possible, be

removed with all reasonable dispatch. Neither party shall be responsible for delay, damage or loss caused by a Force Majeure event.

12.2. The term"Force Majeure" as applied herein shall mean Act of God, wars, epidemics, fires, floods, earthquakes, storms, lightning and any other similar causes which are beyond the control of either party and which by exercise of due care and diligence, neither party is able to overcome.

12.3. Immediately after removal of such a Force Majeure condition, the affected party shall perform obligatory functions with all speed and effectiveness.

13. NOTICE

All notices, demands or other communications required or permitted to be given or made under this Lease Agreement shall be in writing and delivered personally or sent by prepaid registered post or fax addressed to the intended recipient thereof at the address or fax number set out below (or to such other address or fax number as either party may from time to time notify to the other party). Any such notice, demand or communication shall be deemed to have been duly served (if delivered personally or given or made by fax) immediately or (if given or made by letter) seven (7) days after posting. The relevant details of each party at the date of this Lease Agreement are:

LESSOR

Address: [ ]

Facsimile Number: [ ]

For the attention of: [ ]

LESSEE

Address: [ ]

Facsimile Number:[ ]

For the attention of:[ ].

14. FURTHER ASSURANCE

Each party shall from time to time upon the request of the other party execute any additional documents or instruments and do any other acts or things which may be reasonably required to give full effect to the terms and conditions of this Lease Agreement.

15. THIRD PARTY RIGHTS

15.1. No person who is not a party to this Lease Agreement shall have any right to enforce any terms of this Lease Agreement.

15.2. The parties may amend, renew, terminate or otherwise vary all or any of the provisions of this Lease Agreement, without the consent of any third party.

16. LANGUAGE

This Lease Agreement shall be written In English. All correspondences related to this Lease Agreement shall be in English. The English language version of this Lease Agreement shall prevail over any translation thereof. Notwithstanding that certain documents must be executed and filed in the Myanmar language under the laws of Myanmar, the governing language of such documents shall be the English language translation of the same.

17. STAMP DUTY

The Lessee shall bear the stamp duty payable in connection with this Lease Agreement. .

18. GOVERNING LAW AND JURISDICTION

18.1 This Lease Agreement and any dispute or claim arising out of or in connection with it or its subject matter shall be governed by the law of the Republic of the Union of Myanmar and shall be resolved exclusively in the courts of Myanmar.

18.2 The parties shall carry out their respective obligations arising out of this Lease Agreement in accordance with Applicable Laws.

19. MISCELLANEOUS PROVISIONS

19.1 This Lease Agreement constitutes the entire agreement and understanding between the parties in relation to its subject matter, and supersedes any prior drafts, agreements, undertakings, representations and warranties of any nature whatsoever, whether or not in writing, relating thereto.

19.2 A waiver of any right or remedy under this Lease Agreement or under Applicable Law, or any consent given under this Lease Agreement, is only effective if given in writing by the waiving or consenting party and shall not be deemed a waiver of any other or subsequent breach or default. A failure or delay by a party to exercise any right or remedy provided under this Lease Agreement or by Applicable Law shall not constitute a waiver of that or any other right or remedy nor prevent or restrict any further exercise of that or any other right or remedy. No single or partial exercise of any right or remedy under this Lease Agreement or Applicable Law shall prevent or restrict the further exercise of that or any other right or remedy. The rights and remedies

provided in this Lease Agreement are cumulative and not exclusive of any remedies provided by Applicable Law.

19.3 No amendment of this Lease Agreement shall be effective unless in writing and signed by, or on behalf of, both parties to this Lease Agreement.

19.4 If any part of this Lease Agreement is or becomes invalid, illegal or unenforceable, then (to the minimum extent necessary to makethis Lease Agreement valid, legal and enforceable) such part shall be deemed severed from the remainder of this Lease Agreement, which shall continue to be valid and enforceable to the fullest extent permitted by Applicable Law.

19.5 This Lease Agreement may be executed in any number of original counterparts, each of which, when executed, shall together constitute one and the same instrument.

This Lease Agreement has been duly executed by the parties (or their duly authorised representatives) on the date specified at the beginning of this Lease Agreement

Signed by
Mr. Myo Aung

....

Signed by
[ ]
for and on behalf of
[**Ava Gas Company Myanmar**]

....

1. Site Map Of The Premises

[Lessor to provide precise and accurate site map which must be in such form as is satisfactory to Lessee]

ASIA AVA GAS COMPANY LIMITED

83 DAMAZEDI ROAD, SANCHAUNG TOWNSHIP,
YANGON, MYANMAR, 11111
TEL : +9595058916 FAX: +9512304237
EMAIL : hha@avagasco.com

သို့

ဥက္ကဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်
အမှတ်(၁)၊သစ္စာလမ်း၊ရန်ကင်းမြို့နယ်၊
ရန်ကုန်မြို့။

အကြောင်းအရာ။	။ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် **Asia AVA Gas Co.,Ltd.** မှ ရေနံဓာတ်ငွေ့ရည် သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ့ရည် တင်သွင်း၊သိုလှောင်၊ဖြန့်ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြခြင်းကိစ္စ။
ရည်ညွှန်းချက်။	။(၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၂-၁-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ- လုပ်ငန်းစစ် / ဝ၁(၆၆/၂၀၁၆)။

၁။ **Asia AVA Gas Co.,Ltd** ၏ ရည်ညွှန်းချက် (၁)ပါစာဖြင့် စွမ်းအင်ဝန်ကြီးဌာနမှတဆင့် အဆိုပြုချက် တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ့တွင်ကျင်းပသည့် မြန်မာနိုင်ငံ ရင်နှီးမြှုပ်နှံမှု ကော်မရှင် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့ (၇/ ၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာ အဆိုပြုချက်စိစစ်ရေးအဖွဲ့၏ မြေအသုံးချမှုနှင့် ပတ်သက်၍ ရှင်းလင်းတင်ပြရန် ညွှန်ကြားချက်အရ **Asia AVA Gas Co.,Ltd** သည် ရန်ကုန်တိုင်းဒေသကြီး ၊ သန်လျင်မြို့နယ် ၊ ဗိုလ်ချုပ်ကျေးရွာအုပ်စု ၊ ကွင်းအမှတ် ၆၇၅ (က) နှင့် ၆၇၂ ရှိ အကွက်အမှတ် (၁၁၊၁၂၊၁၃၊၁၄၊၁၅/၂) ရှိ လယ်ယာမြေအား အခြားနည်းဖြင့် အသုံးပြုခွင့် ဖြစ်သည့် ရေနံဓာတ်ငွေ့ရည် သိုလှောင်ကန်နှင့် တင်သွင်း ၊ သိုလှောင်၊ ဖြန့်ဖြူး၊ ရောင်းချသည့်လုပ်ငန်းလုပ်ကိုင်ခွင့် ရရှိပြီးသည့် မြေဧက စုစုပေါင်း (၄၂.၂၃) အနက်မှ ပထမ (၃) နှစ်အတွင်း (၃၁.၇၈) ဧက အားစတင်ငှားရမ်း အသုံးပြုမည်ဖြစ်ပြီး တည်ဆောက်ရေးကာလပြီးဆုံးသည့် စတုတ္ထနှစ်မှစ၍ ကျန်ရှိမြေဧက (၁၀.၄၅) ဧကအား ထပ်မံငှားရမ်း အသုံးပြုသွားမည် ဖြစ်ကြောင်း မြန်မာနိုင်ငံ ရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်မှသုံးသပ် လမ်းညွှန်ပေးနိုင်ပါရန် လေးစားစွာ တင်ပြအပ်ပါသည်။

ဦးထူးထူးအောင်။
အမှုဆောင်ဒါရိုက်တာ။
Asia AVA Gas Co.,Ltd.

ASIA AVA GAS COMPANY LIMITED

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သို့

ဥက္ကဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်
အမှတ်(၁)၊သစ္စာလမ်း၊ရန်ကင်းမြို့ နယ်၊
ရန်ကုန်မြို့ ။

အကြောင်းအရာ။	။ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် **Asia AVA Gas Co.,Ltd.** မှ ရေနံဓာတ်ငွေ့ ရည်သိုလှောင်စခန်းနှင့် တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံဓာတ်ငွေ ့ရည် တင်သွင်း၊သိုလှောင်၊ဖြန့် ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြခြင်းကိစ္စ။
ရည်ညွှန်းချက်။	။(၁) စွမ်းအင်ဝန်ကြီးဌာန၏ ၂၂-၁-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ မူဝါဒ-ဥပဒေ- လုပ်ငန်းစစ် / ၀၁(၆၆/၂၀၁၆)။ (၂) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၂၃- ၂-၂၀၁၆ ရက်စွဲပါစာအမှတ် -ရက-၅(စ)/ န-၀၁၄/၂၀၁၆(၀၈၂) (၃) AVA Kahyasi Investment Pte.Ltd ၏ ၁၇-၃-၂၀၁၆ ရက်စွဲပါ စာအမှတ် ၄/၂၀၁၆

၁။ **Asia AVA Gas Co.,Ltd** ၏ ရည်ညွှန်းချက် (၁)ပါစာဖြင့် စွမ်းအင်ဝန်ကြီးဌာနမှတဆင့် အဆိုပြုချက်တင်ပြခြင်းကို ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၁၆ ရက်နေ ့တွင်ကျင်းပသည့် မြန်မာနိုင်ငံ ရင်နှီးမြှုပ်နှံမှု ကော်မရှင် အဆိုပြုချက်စိစစ်ရေးအဖွဲ့ (၇/ ၂၀၁၆) ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ရာ အောက်ပါအတိုင်း ဆုံးဖြတ်ခဲ့ပါသည်။

(က) လုပ်ငန်းဆောင်ရွက်ရန်အတွက် ပြည်ထောင်စုအစိုရအဖွဲ့ ၏ခွင့်ပြုချက်တင်ပြရန်။

(ခ) ပိုက်လိုင်းဖြတ်သန်းမည့်မြေနေရာအတွက် မြေငှားစာချုပ် (မူကြမ်း)တင်ပြရန်။

(ဂ) ပြည်ပမှတင်သွင်းမည့်ပစ္စည်းစာရင်းပြည့်စုံစွာ တင်ပြရန်။

(ဃ) ဆိပ်ခံတံတားဆောက်လုပ်ရန်အတွက် မြန်မာ့ ဆိပ်ကမ်းအာဏာပိုင်နှင့် အသေးစိတ် ညှိနိုင်း ဆောင်ရွက်ပြီး တင်ပြခွင့်ပြုချက် ရယူရန်။

သို့ ပါ၍ အထက်ပါအစည်းအဝေးဆုံးဖြတ်ချက် အမှတ် (ခ) နှင့်အညီ လိုက်နာဆောင်ရွက်ရန် စီမံကိန်း၏ အကောင်အထည်ဖော်ဆောင်ရွက်သူအဖြစ် တာဝန်ယူမည့် AVA Kahyasi Investment Pte.Ltd သို ့အသိပေးအကြောင်းကြားခဲ့ ရာ ရည်ညွှန်းချက် (၃) ပါစာဖြင့် အောက်ပါအတိုင်း အကြောင်း ပြန်ကြားလာပါသည်။

(က) Asia AVA Gas Company သည် စီမံကိန်း ဧရိယာ ရှိရေနံဓာတ်ငွေ ့ရည်သိုလှောင်စခန်းနှင့် ရေနံဓာတ်ငွေ့ ရည်တင်ချဆိပ်ကမ်း အကြား တွင်အရှည်မီတာ ၆၀၀ လုံးပတ် ၆လက်မ ရှိသော သံမဏိပိုက်လိုင်း၂ ခုအား ပူးတွဲ ၍ သွယ် တန်းမည်ဖြစ်ကြောင်း။

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(ခ) ပိုက်လိုင်းတစ်ခုမှာ ရေနံဓာတ်ငွေ့ ရည်သယ်ပို့ ရန်ဖြစ်ပြီး၊ အခြားတစ်ခုမှာ ဖိအား ထိန်းညှိရန် ရေငွေ့ ပြန်လည် ထုတ်လွှတ်မည့် Vapor Return Line ဖြစ်ကြောင်း ။

(ဂ) အဆိုပါပိုက်လိုင်းအား သွယ်တန်းရာတွင် Horizontal Directional Drilling နည်းပညာအသုံးပြုပြီး မြေသားတူးဖော်ခြင်းမပြုဘဲ သတ်မှတ်ထားသော လမ်းအူကြောင်းအတိုင်း အထူးအဆင့်မြင့် စက်ကိရိယာ အသုံးပြု၍ မြေအောက်မှသာ တိုက်ရိုက်တူးဖော်မည်ဖြစ်ပြီး မြေမျက်နှာသွင်ပြင်အား ထိခိုက်ခြင်း ပျက်စီးစေခြင်း မရှိဘဲ မြေအောက် ၅မီတာ အနက်မှသွယ်တန်းသွားမည်ဖြစ်ပါသည်။ ထိုသို့ ပိုက်လိုင်းသွယ်တန်း သွားမည့် လမ်းအူကြောင်း အား ပူးတွဲပါ ဂြိုဟ်တုမြေပုံဖြင့်တင်ပြထားပါကြောင်း။

(ဃ) Horizontal Directional Drilling နည်းပညာသည်မြေအောက်မှသာ တိုက်ရိုက်တူးဖော်ခြင်းဖြစ်သဖြင့် မြေပြင်ပေါ်ရှိလမ်း နှင့် လယ်ယာစိုက်ပျိုးမြေများအား ထိခိုက်ခြင်းမရှိဘဲ ပါတ်ဝန်းကျင်ထိခိုက်မှု နှင့် လူမှု စီးပွါးထိခိုက်မှု မရှိနိုင်ကြောင်း။

(င) ပိုက်လိုင်းဖြတ်သန်းသွားလာမည့်မြေကွက်များမှာ ကျောင်းကုန်း အနောက်ကွင်း ဗိုလ်ချုပ်ကျေးရွာ၊သန်လျင်မြို့ ကွင်းအမှတ် ၆၇၂ ၊ ၆၇၅-ခ အတွင်းရှိ ဦးနီတွတ်မှ လယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသော ဦးပိုင်အမှတ် ၂၃ ၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့်ရရှိထားသော ဦးပိုင်အမှတ် ၂၄၊ ဒေါ်သန်းသန်းရှိန်မှ လယ်ယာလုပ်ပိုင်ခွင့် ရရှိထားသော ဦးပိုင်အမှတ် ၇ တို့ ဖြစ်ကြောင်း။

(စ) Asia AVA Gas Co.,Ltd. အနေဖြင့် စီမံကိန်းဧရိယာအနီးရှိ ဒေသခံ လူမှုအဖွဲ့ အစည်းများနှင့် ဆွေးနွေး ၊ တိုင်ပင်မှုများ ပြုလုပ်ပြီးပြီဖြစ်ပြီး ပိုက်လိုင်းဖြတ်သန်းသွားလာမည့် လမ်းအူကြောင်းပေါ်ရှိ လယ်ယာ လုပ်ပိုင်ခွင့် ရရှိထားသော လယ်သမားများနှင့် လည်းအသေးစိတ်ဆွေးနွေးခဲ့ပါကြောင်း။

(ဆ) Asia AVA Gas Co.,Ltd. အနေဖြင့် မြေအောက်မှ ပိုက်လိုင်းဖြတ်သန်းသွယ်တန်းရာ လမ်းအူကြောင်းတစ်လျှောက်တွင် မြေမျက်နှာသွင်ပြင်ထိခိုက်ပျက်စီးမှု တစ်စုံတစ်ရာဖြစ်ပေါ် ခဲ့လျှင် သော်လည်းကောင်း လယ်ယာမြေလုပ်ကိုင်မှုအားတစ်စုံတစ်ရာအနှောက်အယှက်ဖြစ်ခဲ့လျှင်သော်လည်းကောင်း ဖြေရှင်းပေးနိုင်ရန် ဖြတ်သန်းသွားလာခွင့်နှင့်သီးနှံလျော်ကြေး သဘောတူညီချက်အား တည်ဆဲဥပဒေများနှင့်အညီ ချုပ်ဆိုနိုင်ရန် ကြိုတင်ညှိနှိုင်း၍ မူကြမ်းပြင်ဆင်ထားပြီးဖြစ်ကြောင်း သဘော တူညီချက်မူကြမ်း(Easement Right of Way and Crop Compensation Agreement Draft) နှင့်တကွ အသိပေးအကြောင်းကြားလာပါသဖြင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှသုံးသပ် လမ်းညွှန်ပေးနိုင်ပါရန်လေးစားစွာတင်ပြအပ်ပါသည်။



ဦးထူးထူးအောင်။
အမှုဆောင်ဒါရိုက်တာ။
Asia AVA Gas Co.,Ltd.

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 7

Joint Venture Agreement for
Asia Ava Gas Company Limited

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

JOINT VENTURE AGREEMENT

To Form

ASIA AVA GAS COMPANY LIMITED

For the business of import, storage and distribution of

Liquefied Petroleum Gas

Among

Myanma Petrochemical Enterprise

Ava Kahyasi Investments Pte Ltd

Same Sky Construction Company Limited

&

Guiding Star Group Limited

Date----------- Yangon

Table of Contents

"This Agreement to form a Joint Venture Company to build, operate and own a liquefied petroleum gas import, storage and distribution facility to be located in Thanylin Township and to carry out the business of import, storage and distribution of Liquefied Petroleum Gas within the territory of the Agreement (hereinafter referred to as the "Agreement") is entered into between and among the following parties in Naypyitaw on the ---- day of ---2015."

(1) **Myanma Petrochemical Enterprise**, an entity organized and existing under the laws of the Republic of the Union of Myanmar, office Building No.44 (herein after referred to as the "**Party A**") which expression shall, unless otherwise inconsistent to the context or the meaning thereof be deemed to include its successors and permitted assigns), represented for the purpose of this Agreement by the Managing Director, Myanma Petrochemical Enterprise.

(2) **Ava Kahyasi Investments Pte Limited**, a limited liability company organized and existing under the laws of Singapore (hereinafter referred to as "**Party B**") with its registered address located at 29 Stanley Street, 068738, Singapore.

(3) **Same Sky Construction Company Limited**, a limited liability company organized and existing under the laws of the Republic of the Union of Myanmar (hereinafter referred to as "**Party C**") with its registered address located at No. 226, Wizaya Plaza, U Wizaya Road, Bahan Township, Yangon Region, Myanmar .

&

(4) **Guiding Star Group Limited**, a limited liability company organized and existing under the laws of the Republic of the Union of Myanmar (hereinafter referred to as "**Party D**") with its registered address located at 5A, 83 Dhammazedi Road, Sanchaung Township, Yangon, Myanmar.

Together to be known as Parties and each individually referred to as Party A, Party B, Party C and Party D.

WHEREAS

1. **Myanma Petrochemical Enterprise (MPE) is the state owned enterprise** responsible for management of the downstream hydrocarbon sector in Myanmar, ("Party A"); **due to the Sr.No.6 of (b) list of Economic Activities Permitted with other conditions and required joint venture in the Article of "List of Economic Activities Permitted with the Specific Condition" of Myanmar Investment Commission Notification No.49/2014, the parties to this contract turn into Myanma Petrochemical Enterprise (MPE), Ava Kahyasi Investments Pte Limited**, ("Party B"); **Same Sky Construction Company Limited**, ("Party C"), and **Guiding Star Group Limited**, ("Party D") wish to incorporate a Joint Venture Company, with the name "Asia Ava Gas Company Limited" (hereinafter referred to as the "**Joint Venture Company**") under the Special Company Act. 1950 and the Union of Myanmar Foreign Investment Law (2012) to build, operate and own a Liquefied Petroleum Gas import, storage and distribution facility to be located in Thanylin Township and to carry out the business of importing, storing and distributing Liquefied Petroleum Gas within the territory of the Republic of the Union of Myanmar.

2. It is contemplated that the authorized share capital of the Joint Venture Company will comprise 150 million USD (One Hundred and Fifty Million USD), equivalent to 150 Million Ordinary shares.

3. The initial investment shall comprise up to 60 million USD (Sixty Million USD only), and the parties shall contribute their share ratio as per Article (6.4) and a paid up share capital as per the Memorandum and Articles of Association of the Joint Venture Company.

4. The capital and the loan will be provided and made available from time to time as may be required to meet the operational needs and funding requirements of the Joint Venture Company.

5. The Parties shall be jointly and severally responsible to fulfill their obligations under this Agreement.

ARTICLE 1. Definitions

In this Agreement, the context otherwise requires, the following terms (the first letters of which are each capitalized) shall have the following meanings:

Applicable Laws means, with respect to any Party, any and all provisions of any treaty, statute, law, regulation, ordinance, code, rule, judgment, rule of common law, order, decree, award, injunction, governmental approval, concession, grant, franchise, license, agreement, directive, requirement, or other governmental restriction or any similar form of decision of, or determination by, or any interpretation or administration of any of the foregoing by, Myanmar government authority, whether in effect as at the Execution Date of this Agreement or thereafter and in each case as amended applicable to such Party or any of its assets or undertakings.

Business Day refers to any day other than a Saturday, a Sunday, and/or any official holiday in Myanmar.

Commencement Date refers to the date upon which all the parties agreed to start this Joint Venture Project.

Construction Period refers to the period required to construct the facilities required to undertake the business scope and activity.

Construction Contractors refer to a contractor or contractors engaged by Joint Venture Project to conduct the Construction Work and their respective successors or assignees.

Construction Work refers to design, supervision, procurement, construction, installation, testing and commissioning of the Joint Venture, and related facilities and equipment.

Company Act refers to. Myanmar Special Company Act 1950.

Conditions Precedent means the Conditions Precedent set out in Article 8.

Default means the omission or failure to fulfill a duty, observe a promise, discharge an obligation or perform of this agreement.

Defaulting Party means a Party or its representative whom through their actions or lack of its obligations under this Agreement or under any of the contracts and documents referred to in this Agreement thereof have caused a default to arise.

Environmental Contamination refers to any pollution that is incompliance with or prohibited by laws, regulations and orders of Myanmar in relation to environmental protection.

Force Majeure refers to the meanings stipulated in Article 25.

Foreign Exchange refers to currencies other than Kyat/K.

FIL refers to the Foreign Investment Law of Myanmar, 2012, as the same may be amended from time to time.

Material Breach means a breach of violation of this Agreement that has a serious adverse effect on the non-breaching Party's ability to perform its obligations under this Agreement or the Parties' ability to carry out the purpose of this Agreement.

Myanmar Government refers to the Government of the Republic of the Union of Myanmar.

Operation Date refers to the date upon which all the parties agreed to operate for this Joint Venture.

Ordinary Resolution means a resolution passed if it is proposed as such where over one half of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a General Meeting.

Permits refers to permits, licenses, consents, authorizations, approvals, concession rights, ratifications or other documents of the same or similar nature, which shall be obtained from government authorities of Myanmar for the Joint Venture Company, or for the financing, construction, ownership, operation and maintenance of the Joint Venture.

Project means the establishment of the company under the foreign investment law, the contribution of the issued equity capital in the company of the parties and the commencement and operation of the activities necessary to conduct the business.

Special Resolution means a resolution passed if it is proposed as such where more than 60% the valid votes are cast in favor of the resolution by such member, being entitled to do so, voting in person or by proxy at a General Meeting.

State Owned Enterprise shareholding refers to the shareholding of Myanma Petrochemical Enterprise which will allow an additional right of veto (defined **in Article 9.7.1)** under special circumstances.

Territory means the territory of the Republic of the Union of Myanmar

ARTICLE 2. Joint Venture Scope and Purpose of Business

2.1 The parties to this Agreement shall form the Joint Venture Company in accordance with the Myanmar Special Company Act 1950, the Foreign Investment Law 2012 and the following program shall be carried out: -

2.1.1 The Joint Venture Company shall import Liquefied Petroleum Gas from abroad, store at its facility to be built in Thanylin Township and distribute it in Myanmar.

2.1.2 Lease land upon which to build the required facilities to carry out its business purpose as detailed in Article 2.1.1. For the sake of clarity this Agreement does not constitute a Land Lease Agreement, which is a separate document between the Joint Venture Company and the Landholder to be executed upon the effectiveness of this agreement.

2.1.3 To enable carrying out of the business purpose, the proposal shall be submitted to the Myanmar Investment Commission in order to obtain the permission from the Myanmar Investment Commission.

2.1.4 In accordance with the terms of the Myanmar Investment Commission permit the Joint Venture Company shall construct the required Project Facilities on its site in Thanylin including storage tanks, jetty and unloading arms to permit the import, storage and distribution of Liquefied Petroleum Gas. The construction period for the first phase of the construction shall be no greater than three (3) years from issuance of the Myanmar Investment Commission permit and all other required permissions and consents of the relevant ministries and departments.

2.1.5 The Joint Venture Company shall, in accordance with the terms of the Myanmar Investment Commission permit distribute and sell Liquefied Petroleum Gas inside the territory of this Agreement.

2.1.6 The relevant work plan and timeline are appended to this Agreement.

ARTICLE 3. Establishment and Legal Position of the Company

3.1 Establishment

The Parties shall, in accordance with the Company Act and other Applicable Laws and regulations, establish a Joint Venture company in Yangon, Myanmar and register Asia AVA Gas Company Ltd; to handle the design, construction and operation of the Joint Venture Company (hereinafter referred to as “Joint Venture Company”).

The Parties shall, in accordance with the Company Act and other Applicable Laws and regulations, establish a joint venture company in Yangon.

3.2 Name and Address of the Joint Venture Company

The name of the Joint Venture Company shall be Asia AVA GAS Company Limited.

The Joint Venture Company shall be registered with the Directorate of Investment and Company Administration.

The address of the Joint Venture Company shall be determined and agreed by the Parties upon issuance of the Joint Venture Agreement.

3.3 Limited Liability Company

The Joint Venture Company shall be a limited liability company. The Joint Venture Company shall be a legal person established under the Laws of the Republic of the Union of the Myanmar.

ARTICLE 4. Scope of Agreement

4.1 This Agreement is a Joint Venture Agreement to incorporate Asia Ava Gas Company Limited as a Joint Venture Company and to define the rights and obligations of the parties to each other and to the Joint Venture Company.

ARTICLE 5. Term

5.1 This Agreement shall remain valid for a period of Fifty (50) years with two time extensions each of ten-year periods permitted. Should an extension be sought on the initial 50-year validity period then a notice shall be served by Jot Venture Company into all the shareholders within 180 days of the expiry of the first 50-year term of this Agreement subject to the consent of the Myanmar Investment Commission.

ARTICLE 6. Capital Structure

6.1**.** Total Project Investment

6.1.1 The estimated total project investment is Sixty Million USD (SIXTY MILLION UNITED STATES DOLLARS ONLY).

6.1.2 The parties agree that Party A shall not be liable for loan(s) or any subsequent re-financing loan(s) if it is required during the project term.

6.2. Authorised Capital

The authorised share capital of the Joint Venture Company shall be 150 Million USD (say, UNITED STATES DOLLARS ONE HUNDRED AND FIFTY MILLION ONLY), which shall be divided into 150 million shares. The par value of each share shall be USD 1 (say, UNITED STATES 1 DOLLAR).

6.3. **Paid-up Capital of the Project Company and Shareholding Structure**

6.3.1. The Paid-up Capital of the Joint Venture Company shall be 150,000 USD (say ONE HUNDRED AND FIFTY THOUSAND ONLY).

Party A will be 5,250 shares of 1 USD each

Party B will be 124,750 shares of 1 USD

Party C will be 10,000 shares of 1 USD each

Part D will be 10,000 shares of 1 USD each

6.3.2. The above initial Paid-up Capital shall be contributed by parties accordingly their share ratio.

6.4. Shareholding Structure

Whereas party A is the owner of an additional right of veto , the shareholding structure of the Project Company shall be as follows:;

Name of the Shareholder	Share Distribution
Party A	**3.5%**
Party B	**76.5%**
Party C	**10%**
Party D	**10%**

6.5. In accordance with the investment requirements of the Joint Venture there will be a series of cash calls initiated by Party B whereby additional share capital will be issued to the parties in proportion to their designated holding in the Joint Venture Company.

6.6 At each issue of shares following a cash call the shares issued to Party A shall be deemed to be at all times fully funded.

6.7 All ordinary shares are non-redeemable and rank equally in terms of

(a) Each share is entitled to one vote in any circumstances;

(b) Each share is entitled paripassu to dividend payments or any other distribution for the class of share.

(c) Each share is entitled paripassu to participate in any capital distribution from a winding up.

No redeemable shares have been issued.

6.8. Share transfer

6.8.1 Without the prior written consent of the other Parties, each Shareholder may transfer their respective shares.

6.8.2 With the exception of Party A, all other minority shareholders are

(a) To agree to a tag along clause whereby they are subject to dilution according to the same proportion as the majority shareholder should the majority shareholder elect to accept an offer for the shares of the company. The tag along clause is further defined such that if the Board approves an offer for the company then the shareholders will be required to accept such an offer;

(b) Required to provide sufficient funding to meet their cash calls, however, where any party is unable to meet the cash call requirement immediately upon demand than they are to be diluted.

(c) Will retain Board representation in accordance with Clause 9.5 whilst remaining shareholders of the Joint Venture Company.

6.9. For the avoidance of doubt Party A shall at all times maintain its shareholding in the Joint Venture company at 3.5% and will not be subject to any dilution or tag along clauses.

ARTICLE 7. Memorandum and Articles of Association

7.1 The Parties shall ensure that the Memorandum and Articles are executed and filed with DICA within the time period prescribed by the Laws of the Republic of the Union of Myanmar.

7.2 The Memorandum and Articles shall be consistent with and incorporate, insofar as practicable, the provisions of this Agreement. In the event of any conflict or inconsistency between the provisions of this agreement and the Memorandum and Articles, the parties agree to interpret the Memorandum and Articles and to take such action as is reasonably necessary (including but not limited to the amending the Memorandum and Articles), so as to conform the Memorandum and Articles with the provisions of this Agreement and, to the fullest extent possible to effect the original intent of the Parties as evidenced by this Agreement and allowed by the Laws of the Republic of the Union of Myanmar;

7.3 Each of the Parties shall, when necessary, exercise its powers of voting and rights of management control and any other rights and powers it may have to amend waive or suspend a conflicting provision in the Memorandum and Articles to the extent permitted by applicable Laws of the Republic of the Union Of Myanmar and so that this Agreement may operate in accordance with its terms. The Parties shall in any event and notwithstanding any provision to the contrary in the Memorandum and Articles, always act in a manner which is consistent with and gives full force and effect to this Agreement.

ARTICLE 8. Conditions Precedent

8.1 Party B shall, for enabling to establish the Joint Venture Company and for to operate the business, be responsible to submit application to the Myanmar Investment Commission to obtain the permit, to carry out the establishment of the Joint Venture Company, and other related works.

8.2. Party “C “and “D” shall assist party B for implementing the tasks contained in above paragraph (Article 2) efficiently.

8.3. It is herewith agreed by all parties to this Agreement to abide by the Myanmar Companies Act, Special Myanmar Companies Act 1950 and the Foreign Investment Law.

8.4. All parties to this Agreement undertake to perform objectives mentioned in the Memorandum and Articles of Association to help each other to the best of their ability to achieve the objectives of this Agreement.

ARTICLE 9. Management And Administration Of Joint Venture Company

9.1 **General Meeting**

9.1.1. **Holding of General Meeting**

A General Meeting shall be held once in every year at such time (not being more than fifteen months after the holding of the last preceding General Meeting) and place as may be prescribed by the General Meeting and if no other time or place is prescribed a General Meeting shall be held at such time and place as the Directors may from time to time determine. General Meetings held under this sub-article shall be called Annual General Meetings. General Meetings other than the Annual General Meetings shall be called Extraordinary General Meetings. Provided that so long as the Joint Venture Company holds the First Annual General Meeting within 18 months of its incorporation, the Joint Venture Company need not hold the Annual General Meeting in the year of its incorporation or in the following year.

9.2 **Decisions of General Meeting**

9.2.1 The General Meeting shall be the highest authority of the Joint Venture Company. It shall decide all major issues concerning the Joint Venture Company. The following matters shall be passed by Special Resolution, which means a resolution passed if it is proposed as such where more than sixty percent of the valid votes are cast in favor of the resolution by such shareholders, being entitled to do so, voting in person or by proxy at a General Meeting of which not less than twenty-one days’ notice specifying the intention to propose the resolution as a special resolution has been duly given;

(a) Changing the name of the Joint Venture Company;

(b) Altering the provisions of the memorandum with respect to the objects of the Joint

Venture Company in accordance with the Company Act;

(c) Altering or adding to the articles of association of the Joint Venture Company subject to the provisions of the Company Act and to the conditions contained in the Joint Venture Company's memorandum;

(d) Reducing the share capital of the Joint Venture Company;

(e) Appointing inspectors to investigate the affairs of the Joint Venture Company;

(f) Voluntary winding-up;

(g) Any other matter, according to the Company Act and other regulations, which shall be done by Special Resolution.

9.2.2 The matters other than those listed above as material matters, which include but not limited to, the following matters, shall be passed by an Ordinary Resolution, which means a resolution passed if it is proposed as such where over one half of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a General Meeting of which prior notice shall be duly given:

(a) Determining the business policies and investment plans of the Joint Venture Company;

(b) Appointing and replacing directors who are nominated by the Parties, and to decide upon matters relating to the remuneration of directors in accordance with the Articles of Association of the Joint Venture Company and the laws of Myanmar.

(a) Examining and approving reports by the Board of Directors ("**B.O.D**");

(b) Examining and approving annual financial budget plans and final accounting plans of the Joint Venture Company;

(c) Examining and approving plans for profit distribution and plans to make up the losses of the Joint Venture Company;

(d) Adopting resolutions relating to issuance of company bonds;

(e) Adopting resolution relating to the conducting of the debt restructures which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

(f) Adopting resolution relating to the conducting of external investment which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

(g) Adopting resolution relating to the provision of a guarantee which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

(h) Embarking upon or engaging in any Joint Venture other than the Joint Venture or making

or permitting any material change in the nature of the Joint Venture Company's business;

(i) Adopting resolution relating to waive or relinquish or agreeing to waive or relinquish any right, power, privilege or remedy pursuant to the Concession Rights;

(j) Deciding upon matters above the power of the Board;

(k) Examining and approving the matters which shall be submitted by the Board to the General Meeting for decision; and

(l) Adopting resolutions relating to other matters that shall be decided by the General Meeting in accordance with laws and regulations;

9.3 Quorum of General Meeting

9.3.1 The quorum for any General Meeting shall be shareholder(s) representing two-thirds of the issued Shares of the Joint Venture Company present in person or by proxy.

9.3.2 A resolution in writing signed by the signatories of all the shareholders to the resolution where the same are voting in support of the resolution and where the same is indicative of their assent shall be annexed or attached to the General Meetings Minute Book. The signature of any shareholder may be given by his Attorney or Proxy. Any such resolution may be contained in one document or separate copies prepared and/or circulated for the purpose and signed by one or more shareholders.

9.3.3 At any General Meeting a resolution put to the vote of the meeting shall be decided by poll.

9.4 The Profit of the Joint Venture Company

9.4.1 Profits and losses from the operation of Joint Venture Company shall be accounted and calculated in accordance with generally accepted international accounting standards and audited by an internationally recognized and independent auditing firm acceptable to the parties. Profits after deducting expenses, including interest on all loans and borrowings, depreciation, amortisation, losses and accumulated losses, and reserves (both legal reserves and reserves for expansion) shall be disbursed annually according to shareholding ratio.

9.4.2 All tax liabilities and obligations of the Joint Venture Company arising from its operation in Myanmar, excepting any exemptions afforded by the Foreign Investment License shall be deducted from the profits of the company and paid by the Joint Venture Company directly to the relevant tax authority in Myanmar in full accordance with prevailing rules and regulations in Myanmar.

9.5 Board of Directors and Officers

9.5.1 The Joint Venture Company shall be managed by a Board of Directors of the Joint Venture Company consisting at any time of no more than eleven (11) directors.

9.5.2 Party A may nominate one director to the board of directors of the Joint Venture Company

9.5.3 Party B may nominate up to eight directors to the board of the Joint Venture Company and shall nominate a Managing Director. Directors nominated by Party B will be responsible for all the operations and management of the Joint Venture Company during all phases, including construction and operation phases including finance and accounting. All payments and receipt of funds by the Joint Venture Company shall require the signature of a Director nominated by Party B. In the interests of stability and the successful execution of the business purpose, and for the reassurance of all shareholders, the Managing Director nominated by Party B shall serve for a minimum of the first three years following incorporation of the Joint Venture Company, and shall comprise Mr. Amir Shahran unless in case of his resignation or incapacity.

9.5.4 So long as Party C and Party D hold a shareholding whether or not the same as at the time of incorporation, they may each nominate one director to the Board of Directors of the Joint Venture Company.

9.5.5 The Board Director nominated by Parties A,C & D whilst being a non-executive director may exceptionally attend management meetings by arrangement with the Managing Director and will be permitted to receive the management reports and management accounts of the company.

9.5.6 The nominated Board Directors of the parties are at all times obligated to work for the benefit of all the shareholders, and in the interests of the Joint Venture Company, and to safeguard its assets.

9.6 Board of Directors Meetings

9.6.1 Board of Directors shall hold periodic meetings in accordance with the procedures set forth in the Articles of Association

9.6.2 Quorum should be present throughout the meeting. No business should be transacted when the quorum is not so present. The quorum for any such meeting shall be at least 2 Directors where their aggregate representative shareholding is the equivalent of at least 50% of the issued share capital of the company and with at least one Director nominated by each Shareholder shall attend the meeting by personal presence or his/her proxy. However, if one is duly served with notice of the meeting and fails to attend or appoint a proxy to attend such meeting or absents during the meeting, such Director shall be deemed to have given up his/her right to vote and the meeting should not be deemed to fail in reaching a quorum because of the failure to attend the meeting or absence during the meeting by such Director.

9.6.3 The Managing Director shall preside over the meetings. When the Managing Director is unable to attend, any member of Board assigned by him may preside at the meetings.

9.6.4 All matters are to be decided by the majority of the votes where these are calculated from the shareholding represented by those directors present.

9.7 Matters to be resolved by the Board of Directors

9.7.1 **Veto Power**

Parties acknowledge and agree that Party A shall have an additional right of veto of board resolutions which may seek to alter the Scope of Business and Operation of the Joint Venture Company as defined in Article 2 of this Agreement and any resolutions as defined in Article 9.2.2 (h) i.e. embarking upon or engaging in any project other than the Project or making or permitting any material change in the nature of the Joint Venture Company's business. Notwithstanding the aforementioned the Joint Venture Company shall at all times ensure that it abides by all relevant laws issued in relation to Social and Environmental issues as well as related to Energy Policy, Safety, Security and Community Issues as well as the Public Interest.

9.7.2 **Day-to-Day Operation**

(a) Subject to Company Acts and related laws, the following matters shall be determined and resolved at the Board meeting:

(1) To purchase or otherwise acquire for the Joint Venture Company any property, rights or privileges which the Joint Venture Company is authorized to acquire at such price which is not exceeding the amount which the Board has the authority to decide in accordance with the regulations approved by the General Meetings;

(2) To sell, lease, abandon or otherwise deal with any property, rights or privileges with the value not exceeding the amount which the Board has the authority to decide in accordance with the regulations approved by the General Meetings to which the Joint Venture Company may be entitled, on such terms and conditions as it may think fit.

(3) To raise, borrow or secure the payment of such sum or sums not exceeding the amount certain amount which the Board has the authority to decide in accordance with the regulations approved by the General Meetings and upon such terms and conditions in all respects as they it may think fit and in particular by the issue of debentures or debenture stocks of the Joint Venture Company charged upon all or any part of the property of the Joint Venture Company (both present and future) including its uncalled capital for the time being;

(4) To pay for any rights acquired or services rendered to the Joint Venture Company, either wholly or partially in cash or in shares, bonds, debentures or other securities of the Joint Venture Company and any such shares may be issued either as fully paid up or with such amount credited as paid up thereon as may be agreed upon; and any such bonds, debentures or other securities may be either specifically charged upon all or any part of the property of the Joint Venture Company and its uncalled capital or not so charged.

(5) To secure the fulfillment of any contract or engagement entered into by the Joint Venture Company be mortgaged or charge upon all or any of the property of the Joint Venture Company and its uncalled capital for the time being or by granting calls on shares or in such manner as it may think fit.

(6) To appoint any person or persons to accept and hold in trust for the Joint Venture Company any property belonging to the Joint Venture Company or in which it is interested or for any other purposes and to execute and do all such deeds and things as may be requisite in relation to any such trust.

(7) To institute, conduct, defend or abandon any legal proceedings by or against the Joint Venture Company or its officers or otherwise concerning the affairs of the Joint Venture Company and also to compound and allow time for payment or satisfaction of any debts due to or of any claims and demands by or against the Joint Venture Company.

(8) To refer claims and demands by or against the Joint Venture Company to arbitration and to observe and perform the awards.

(9) To act on behalf of the Joint Venture Company in all matters relating to bankruptcy and insolvency.

(10) To execute in the name and on behalf of the Joint Venture Company in favor of any Director or other person who may incur or be about to incur any personal liability for the benefit of the Joint Venture Company, such mortgages of the Joint Venture Company's property (present and future) as they think fit and any such mortgage may contain a power of sale and such other powers, covenants and provisions as shall be agreed on.

(11) From time to time, to make, vary and repeal by-laws for the regulation of the business of the Joint Venture Company, the officers and servants or the members of the Joint Venture Company or any section thereof.

(12) To borrow money for the benefit of the Joint Venture Company's business from any person, firm or company or bank or financial organization of local and abroad in the manner that the Directors shall think fit.

(13) To conduct the debt restructure which the Board has the authority to decide in accordance with the regulations approved by the General Meetings;

(14) To make an investment which the Board has the authority to decide in accordance with the regulations approved by the General Meetings;

(15) To decide on the provision of guarantee which the Board has the authority to decide in accordance with the regulations approved by the General Meetings;

(16) To decide on the establishment of the Joint Venture Company's internal management organs;

(17) To decide on the following matters exceeding the annual financial budget:

(a) Any disposal of assets or equity interest which shall be decided by the

Board in accordance with the regulations approved by the General meetings

(b) Any external investment and capital expenditure which shall be decided by the Board in accordance with the regulations approved by the General meetings.

(18) To approve any single related transaction between the Joint Venture Company and its shareholders or its actual controllers which shall be decided by the Board in accordance with the regulations approved by the General meetings.

(19) To adopt the basic management system of the Joint Venture Company

ARTICLE 10 Senior Management Personnel

10.1 Management System

10.1.1 The Joint Venture Company shall adopt a management system under which the Managing Director shall be responsible for the day-to-day management and operation of the Joint Venture Company.

10.1.2 In addition to the Managing Director, the Joint Venture Company shall also have a Chief Financial Officer, a Secretary and such other senior management personnel of the Joint Venture Company (collectively, the "Senior Management Personnel")as the Board may deem appropriate.

10.2 Responsibilities of the Managing Director

10.2.1 The Managing Director shall be directly responsible to the Board. He shall carry out the various resolutions of the Board and in accordance therewith, organize and direct the day-to-day operation and management of the Joint Venture Company and report to the nearest Board of Directors meeting. The Managing Director shall have the authority to:

(i) Nominate the Chief Finance Officer and other senior management personnel;

(ii) Implement the resolution of the General Meeting or Board regarding the disposal, all or partial of the assets of the Joint Venture Company;

(iii) Make and give receipts, release and other discharges for money payable to the Joint Venture Company and for the claims and demands of the Joint Venture Company;

(iv) Sign bills of exchange, cheques, promissory notes, receipts, endorsements, releases, contracts and documents for or on behalf of the Joint Venture Company;

(v) Invest by placing on deposit and otherwise deal with any of the moneys of the Joint Venture Company not immediately required for the purpose thereof, upon securities or without securities and in such manners as the Directors may think fit and from time to time vary or realize such investments;

(vi) With the authorization of the Board, enter into all such negotiations and contracts and rescind and vary all such contracts and execute and do all such acts, deeds and things in

the name and on behalf of the Joint Venture Company as they may consider expedient for or in relation to any of the matter aforesaid or otherwise for the purposes of the Joint Venture Company;

(vii) Conduct the debt restructure which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or Board;

(viii) Make external investment which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or Board;

(ix) Engage and dismiss subordinate personnel other than the Senior Management Personnel;

(x) Exercise other responsibilities, powers and duties granted by the Board.

10.2.2 The Joint Venture Company shall also establish departments as determined by the Board on the recommendation of the Managing Director. The managers of these departments shall be appointed by the Managing Director and responsible respectively, for the operation of such departments, and shall handle matters delegated to them by the Managing Director and shall be responsible to the Managing Director, who shall be responsible for appointing and dismissing such department managers (excluding the Senior Management Personnel).

ARTICLE 11. Financial Accounting, Management.

11.1 **Financial and Accounting Regulations**

11.1.1 All financial and accounting regulations shall be determined by the Board according to the provisions contained in the Memorandum and Articles of Association.

11.2 **Dividend Distribution**

11.2.1 Dividend Distribution by year by year should be in accordance with the shareholding percentage specified in Article 6of this Agreement.

11.3 **Books and Records**

11.3.1 The books and records of the Joint Venture Company shall be in English language and be maintained in accordance with generally accepted international accounting principles, and shall accurately reflect the financial position of the Joint Venture Company.

11.4 **Audit**

11.4.1 The Parties hereto agree to cause the books and records of the Joint Venture Company to be audited by the Auditor of the Joint Venture Company who shall be appointed in accordance with the provision of section 145-A of the Myanmar Companies Act and subject to approval by the Auditor Generals's Office of Myanmar. At the end of each fiscal year, during the term of this Agreement, such Auditor shall yearly provide the Board with a Financial Report in English language in accordance with generally accepted international accounting principles.

11.4.2 The Auditor General's Office of Myanmar may also ask the Joint Venture Company to appoint an independent auditor approved by them for the Joint Venture Company and the cost for this auditor shall be borne by the Joint Venture Company.

11.5 Remittance of Foreign Currency

11.5.1 Foreign Currency withdrawal of the net profit and dividends generated by the Joint Venture Company shall be permitted as determined and allowed by the Myanmar Investment Commission in accordance with the provisions of Section 39 of The Foreign Investment Law.

11.6 Loan

11.6.1 Party B may assist the Joint Venture Company to secure a loan, loans or investments as may be required by the Joint Venture Company for implementing this Joint Venture or the operation of the Joint Venture Company.

11.6.2 Party C and Party D may manage to subscribe the Joint Venture Company with loans from local banks, which are deemed to be competitive by the Board of Directors.

ARTICLE 12 Rights and Responsibilities Parties

12.1 **Rights and Responsibilities Party A**

(a) Party A shall have the right to veto power in article 9.7.1

(b) Party A shall be exempted from any financial obligation to the Joint Venture Company and will not be required to provide any capital or loan to Ava Gas Company to fund its equity participation in the Joint Venture Company . Party B shall be responsible for funding all the capital and loan requirements of Party A in maintaining its 3.5% equity in the Joint Venture Company.

12.2 Rights and Responsibilities of Party B

(a) Party B shall be solely and exclusively responsible for the management and operation of the Joint Venture Company at all times, including during the construction phase and the operation phase, and shall nominate the Managing Director, (whom shall comprise Mr. Amir Shahran), whom shall serve for a minimum of the first three years following incorporation of the Joint Venture Company. During the said period the Managing Director may not be substituted or replaced for the first three years unless in case of his resignation or incapacity.

(b) Party B shall also be responsible to submit the application to the Myanmar Investment Commission to obtain the Foreign Investment Permit, to carry out the establishment of the Joint Venture Company and other related works.

(c) Party B shall be responsible for selecting and engaging the overseas and local contractors to complete Engineering, Procurement and Construction of the facilities required by the Joint Venture Company to carry out its business activity.

(d) Party B shall be responsible to import Liquefied Petroleum Gas from abroad and will also be responsible to manage the storage, distribution and sale of Liquefied Petroleum Gas in Myanmar by the Joint Venture Company.

(e) Party B shall be responsible to select all the machinery, equipment's, services and goods required by the Joint Venture Company in accordance with the relevant laws and regulations.

(f) Party B shall, with the assistance of the other parties, decide the site of the business operation, hiring of contractors and construction thereof.

(g) Upon obtaining the relevant permit, license and consent from the relevant authority for the transaction contemplated under this Agreement, Party B shall be responsible for employing local and foreign staff on behalf of the Joint Venture Company but shall at all times ensure compliance with the laws of Myanmar.

(h) Should the construction phase exceed the three year period stated in Article 2.1.4 then Party B shall be responsible to submit and application for the extension of the construction period to the Myanmar Investment Commission in accordance with the Myanmar Foreign Investment Law.

12.3 Responsibilities of Party C and D

(a) In carrying out and implementing the objectives and business purpose of the Joint Venture Company, Party C and D shall provide assistance to Party B, as may be necessary.

(b) Part C and D shall be responsible to provide assistance to Party B regarding the submission of the proposal to incorporate the Joint Venture Company as may be necessary.

(c) Part C and D shall be responsible to communicate with the relevant government ministries and departments in Myanmar for official works.

ARTICLE 13 General Obligations of Company

13.1 **Insurance**

The buildings, facilities, machinery, equipment's and other assets of the Joint Venture Company shall be insured in accordance with the provisions prescribed by the FIL and the Myanmar Insurance Law. The depreciation rate of the Joint Venture Company shall be decided by the Board in accordance with applicable laws of Myanmar.

13.2 If Party B will import into Myanmar any machineries, equipment, spare parts and all other materials necessary for the Joint Venture Company, such items shall be shipped and insured with internationally recognized insurance companies which can pay to the insured the compensation in USD currency.

13.3 Joint Venture Company shall, if and when it is prudent to do so, take insurance, for its assets with the internationally recognized insurance company, which can pay to the Joint Venture Company, the compensation for insured assets, in USD currency.

13.4 Joint Venture Company shall, if and when it is prudent to do so, take insurance to cover its personnel against accidents and other occupational hazards arising out of their duties, as a Joint Venture Company considers appropriate.

13.5 Party B shall be responsible for its own personnel by having its own insurance covering its own personnel when performing their duties for Party B in Myanmar.

13.6 Manpower of the Company

13.6.1 The Joint Venture Company shall employ personnel in such number and in categories as necessary for the work. The employment shall be implemented on a phased by phase basis as required. Initially, the Joint Venture Company will employ such suitable technicians, foremen, and skilled workers to manage the operation of the business, and to train the local personnel in the required work scope. The number of foreign personnel will be gradually reduced to save costs with a target that the total number of foreign personnel shall not eventually exceed 5% of the total personnel of the Joint Venture Company.

13.2.2 The number of personnel of the Joint Venture Company may be increased or reduced from time to time to optimize the performance of the Joint Venture Company.

13.7 Prior Expenses

13.7.1 Expenditure concerned with incorporation such as registration, notarial fees, and legal fees shall be presumed to be the expenses of the Joint Venture Company. In the case of Party B whom has developed this Joint Venture, the expenses incurred during the Joint Venture development shall also be considered as its contribution to funding its equity in the Joint Venture Company.

13.8 Statutory and Other Obligations

13.8.1 Part C and D shall provide Party B with detailed information in English as to all relevant laws, ordinances, codes, decrees, regulations and other provision having the force of law in Myanmar, with which Party B shall comply with his performance of this Agreement.

13.9 Tools and Equipment

13.9.1 Party C and Party D will assist in securing permits and licenses for re-export of the property of the foreign employees on completion of their employment contract. Party B shall bear all the expenses of handling and transportation from Myanmar for the employees who come to work in Myanmar for

Party B. The Joint Venture Company shall bear all the expenses of handling and transportation from Myanmar for the employees who come to work in Myanmar as employees of the Joint Venture Company.

13.10 Foreign Personnel

13.10.1 The employment period of foreign personnel, sent to Myanmar for the purposes of this Agreement shall be calculated from the date of their first arrival in Myanmar to the date of their departure from the site of each of the personnel.

13.10.2 Foreign personnel shall be entitled to holidays in accordance with the provisions of the Leave and Holidays Act 1951 in Myanmar. However leave salary and allowances for the holidays shall be on the account of Joint Venture Company.

13.10.3 In case of a minor accident or minor illness, the Joint Venture Company shall provide the foreign personnel with medical aid, and medical supplies on the same basis provided to the local personnel.

13.11. Interpretation and Others

13.11.1 In the event of any conflict between the Joint Venture Agreement and Memorandum of Association, Articles of Association; the Joint Venture Agreement shall prevail over the terms of the Memorandum of Association and Articles of Association.

13.12 Environmental Impact Assessment

13.12.1 A full and complete Environmental Impact Assessment will be prepared and submitted to the Myanmar Investment Commission in line with the requirements of the Myanmar Investment Commission at the time of application for the permit.

ARTICLE 14. Taxation

14.1 The parties to the JV agreement agree that all taxes and privileges provided under the Foreign Investment Law and or the Myanmar Citizens Investment Law, as the case may be, shall apply to the Parties to this Joint Venture Agreement to the extent accorded by the Myanmar Investment Commission. The Board of Directors shall procure that the Joint Venture Company shall comply with existing Myanmar tax laws, rules and directives as well as any applicable notifications of tax applicable to the Joint Venture Company.

The Parties agrees that upon receiving MIC permit but with 4(four) months from the date of this Agreement, the parties shall register this Agreement with Relevant Authority and carry out all formalities procedures and other requirements under all Applicable laws, which is required for the validity, enforceability or legality of this Agreement. All registration fees and costs and expenses incurred in connection with the registration shall be borne by the Joint Venture Company.

The Joint Venture Company shall be responsible for and pay all stamp duties and other duties arising under applicable laws in connection with this Agreement.

ARTICLE 15. Compliance with Laws and Regulations

15.1 The Joint Venture Company shall comply with Applicable Laws and Regulations of the Republic of the Union of Myanmar and the provisions of the Environmental Conservation Law of 2012(Law) and any and all regulations, directives, orders or procedures issued by the Government pursuant to this Law, including implementing waste water management and drainage systems in accordance with said Law.

15.2 The Joint Venture Company acknowledges that Myanmar is a Candidate Country for implementing the Extractive Industries Transparency Initiative ("EITI) and as such undertakes that it shall comply with all applicable provisions of the EITI relevant to the Joint Venture Companies business scope and activity as per the applicable laws and regulations of the Republic of the Union of Myanmar.

ARTICLE 16. Protection of Archaeological, Geographic and Historical Relics

16.1 Any cultural relics, fossil, ancient graves and ancient sites, artistic, historical mementos and any other properties discovered during the Term of Concession which are archaeologically, geographically and historically valuable shall be properties of Myanmar Government. Upon discovery of any such property, the Joint Venture Company shall promptly notify the competent authorities in time and shall take reasonable measures to protect such properties from any improper damage by employees of the Joint Venture Company or other persons.

ARTICLE 17. Effectiveness of Agreement

17.1 This Agreement shall become effective on the parties upon signing after issuance of the Permit by the Myanmar Investment Commission authorizing the temporary registration of the Joint Venture Company.

ARTICLE 18. Assignment of Agreement

18.1 Assignment

18.1.1 Restriction to Assignment

No Party shall assign any or all of its rights or obligations under this Agreement to any third party without prior written consent of the other Parties.

ARTICLE 19 Dispute Resolutions

19.1 Consultation

Any dispute in relation to the execution and performance of this Agreement shall firstly be solved through amicable discussions among the Parties.

19.2 **Arbitration.**

All disputes, controversies, or differences, which may arise between and among the parties hereto, out of or in relation to or in connection with this Agreement shall first be negotiated in good faith in order to settle such dispute amicably in Myanmar. If this remains unresolved within three calendar months, then the matter shall be resolved in accordance with UNCITRAL Rules under the New York Convention, and shall be finally settled by arbitration in Singapore in accordance with all relevant laws and regulations. The arbitration shall be conducted by three arbitrators in the English language. The arbitration award shall be final and legally binding upon both parties.

ARTICLE 20. Utilities Requirement

20.1 Subject to coordination with Party B, Party C and Party D shall take necessary action to coordinate with all local organizations concerned, to obtain the required utilities for the Joint Venture Company.

ARTICLE 21. Termination

21.1 Parties may terminate this agreement by sixty (60) days mutual written notice in any of the following cases:

21.1.2 The Joint Venture Company suffers substantial and continuous losses to the extent that it has a negative net worth for three consecutive fiscal years following completion of the construction period and commencement of operation of business activity.

21.1.3 Default by one party to this agreement, in such case the non-defaulting party shall have the right to terminate this Agreement within sixty (60) days of such default if not otherwise remedied. If the non-defaulting party does not exercise its rights to terminate this agreement within such 60 days, the termination right expires.

21.1.4 In the event of default by one party the other parties may continue with the Joint Venture relationship having taken all legal measures required under the applicable laws to remove the defaulting party from the agreement through an appropriate Deed of Variation.

21.1.5 Occurrence of a force majeure event which prevents the operation of the Joint Venture Company in a normal fashion for six consecutive months but only with the consent of the Board.

21.1.8 In the event of termination, the Joint Venture Company shall be dissolved and liquidated, and upon the winding up the proceeds derived shall be distributed pro rata to all the shareholders in accordance with their respective shareholding.

21.2 In the event that a non-defaulting party wishes to remain a shareholder in the agreement following termination by one or more other parties to this Agreement, then that shareholder will retain the right to maintain its shareholding in the company having agreed a negotiated settlement with the non-defaulting parties whom otherwise wish to terminate this agreement.

21.3 In the event that a party is in default and other non-defaulting parties wish to continue with the business, then the shareholding of the defaulting party shall, after obtaining the required legal requirements be disbursed to the non-defaulting parties pro rata with their existing shareholding in the company.

21.4 In the event of termination by all parties, the Joint Venture Company shall be dissolved and liquidated, and on winding up the proceeds shall be distributed to all non-defaulting parties pro rata with their existing shareholding.

21.5 Termination shall only be effective after the Myanmar Investment Commission's permission has been sought and duly received.

ARTICLE 22. Withdrawal

22.1 In the event of the dissolution of the Joint Venture Company, Party B may withdraw foreign capital, which it is entitled to withdraw in accordance with the provisions of Section 38 of the Foreign Investment Law.

ARTICLE 23. Warranties and Representations

23.1 Each party represents and warrants to the other parties that

23.1.2 It is duly authorized under the relevant laws of its jurisdiction of incorporation and the laws of Myanmar and has the right, authority and power to own assets and to carry on its business as it is of good conduct, and holds an adequate financial standing to enter into and perform the obligations set out under this Agreement and the transaction contemplated herein

23.1.3 This Agreement is legally binding, valid and enforceable obligation;

23.1.4 The entry into and performance by it under this Agreement, and the transactions contemplated by, this Agreement do not conflict with:

23.1.4.1 any law or regulation applicable to it;

23.1.4.2 its or any of its parents' constitutional documents; or

23.1.4.3 any document which is binding upon it or any of its parents or any of its or its parents' assets;

23.1.4.4 No, default is outstanding or will result from the entry into of, or the performance of any transaction contemplated by, this Agreement; and

23.1.4.5 All authorizations and consent required by it in connection with the entry into, performance, validity and enforceability of, and the transactions contemplated by this Agreement have been obtained or effected (as appropriate) and are in full force and effect.20.

ARTICLE 24. Applicable Law

24.1 This Agreement shall be governed by and construed by the Laws of the Republic of the Union of Myanmar.

ARTICLE 25 Force Majeure

25.1 None of the parties shall be responsible for any delay caused by Force Majeure. The term "Force Majeure" as employed herein shall mean Acts of God, strikes (other than by reason of the fault of the party invoking Force Majeure as excuse for his non-performance), lockouts, industrial disturbances, epidemics, civil disturbances, explosion, fires, floods, earthquakes, storms, lightning plant disease, epidemic, armed insurgent, operation of armed forces, terrorists and any other causes similar to the kind herein enumerated which are not within the reasonable and commercial control of any of the parties and which by the exercise of due care and diligence any of the parties is unable to overcome. In the event of such Force Majeure taking place the party concerned shall inform the other parties within 14 days of occurrence of such Force Majeure, and all obligations shall with the approval of the other parties be suspended during continuance of any inability so caused but for no longer than a period of one month, but all parties shall consult with the intention of coming to an agreement within the said period thereafter upon the measures to be taken to avoid further delays in the performance of the Agreement.

ARTICLE 26. Integration

26.1 The parties hereto agree, whilst taking account of the provisions of Clause 1.1.3 that this Agreement expresses all the agreement understandings, promises and covenants of the parties, and that this Agreement integrates, combines and supersedes all prior and contemporary negotiations, understanding and agreements, whether written or oral, and that no modification or

alterations of this Agreement shall be valid or binding on either party, unless expressed Agreement except as may otherwise be specifically provided in this Agreement.

ARTICLE 27. Amendment of Agreement

27.1 All modifications, changes and/or amendment to this Agreement intended to be integral to this Agreement shall only be valid if agreed and confirmed in writing by all parties and approved by the Myanmar Investment Commission.

ARTICLE 28. Renegotiation of the Agreement

28.1 In the event that any situation or condition arises due to circumstances not envisaged in the Agreement and warrants amendments to the Agreement, the parties may negotiate with a view to making the necessary amendments. The existing Agreement shall continue to be in full force and effect until the parties in accordance with Article 26 amend it in writing.

ARTICLE 29. Address for correspondence

Party A: Myanmar Petrochemical Enterprise, Office No. 44 , Naypyitaw, Republic of the Union of Myanmar

Party B: Ava Kahyasi Investments Pte Ltd, 29A Stanley Street, 068738, Singapore

Party C: Same Sky Construction Company Limited, No. 226 5th Street, U Wisara Road, Wisaya Plaza, West Shwe Gon Daing Ward, Bahan Township, Yangon, Republic of Union of Myanmar

Patty D: Guiding Star Group Limited, 83 Dhammazedi Road, Sanchaung Township, Yangon, Republic of Union of Myanmar

ARTICLE 30. Language

30.1 This Agreement shall be in English; All correspondence related to this Joint Venture Company shall be in English and English shall be authentic.

ARTICLE 31. Indemnification for breach of contract.

31.1 Indemnification

31.1.1 If a Party fails to perform any of its obligations under this Agreement or under any of the contracts and documents referred to in this Agreement or if any representation or warranty of that Party under this Agreement or any other Contract and all of the contracts and documents referred to in this Agreement is materially untrue or inaccurate, then that Party has breached this Agreement (the "Breaching Party"). In this case, the non-breaching Party or Parties may notify the Breaching Party in writing that this Agreement has been breached and that the breach should be cured within forty-five (45) days of the date of such notice. The Breaching Party shall be liable to the Joint Venture Company for damages incurred as a result to such breach. The parties shall by means of discussion at first determine a suitable remedy in relation to the value of the breach and should they fail to reach an agreement then the course of action detailed in section 19 of this Agreement shall be followed.

31.2 Disclaimer

In the event that a Party proves that its failure to perform obligations is due to Force Majeure as stipulated in Article 16, such party shall not be held liable.

31.3 Mitigation of Loss

31.3.1 The Party, which suffers or may suffer loss due to breach of another Party, shall take relevant reasonable actions to mitigate or reduce such loss to the greatest extent.

31.3.2 If a Party fails to conduct the aforesaid measures, the breaching Party may claim for deduction of loss that should have been mitigated or reduced by the amount of indemnification.

31.3.3 The aggrieved party may claim for any reasonable cost due to its efforts to mitigate or reduce the loss.

31.4 Loss Partially Caused by Aggrieved Party

If the loss is partially caused by the acts or omissions of the aggrieved Party, or by another event whose risks shall be borne by the aggrieved Party, loss caused by such factors shall be deducted from the amount of indemnification.

31.5 No Liability for Indirect Obligations

Unless it is otherwise stipulated in this Agreement, each Party shall not be liable for any indirect, incidental, consequential or punitive damages for any claim arising out or in relation to this Agreement.

ARTICLE 32. Miscellaneous

32.1 No Waiver

Any Party shall not be deemed to provide a waiver in this Agreement unless such waiver is issued to other Parties in writing. Any non-insistence on enforcing any provision in this Agreement, failure to exercise or delay in exercising any of its rights under this Agreement shall not be deemed as a

waiver of any of such provisions, or waiver to exercise any of the aforesaid right in the future. No single or partial exercise of any right or claim under this Agreement by any Party shall prevent any further exercise of the right or claim or the exercise of any other right or claim.

32.2 Waiver of Sovereignty & Immunity

To the extent that Party A or its successor may in any jurisdiction, claim for itself or its assets or revenues ,immunity from suit, execution, attachment or other legal process Party A hereby agrees not to claim and hereby irrevocably waives such immunity.

32.3 Notice

32.3.1 Unless it is otherwise stipulated in this Agreement, notices contemplated by this Agreement shall be drafted in English and delivered in person, by reputable international courier service, mail or fax to address of Parties specified in Article 29.

32.3.2 Any notice shall be deemed to have been received (a) in the case of delivery in person, mail or courier service, on the date of delivery to the address of the recipient; (ii) in the case of fax, on the date of transmission with receipt acknowledged the signal is not interrupted; if a fax is sent afte5:00 pm in a certain Business Day (time of recipient), or at any time in a non-Business Day, such notice shall be deemed to have been received at 9:00 am in the next Business Day.

32.4 Confidentiality.

During the continuation of this Agreement, and for a period of three (3) years following the expiration or termination of this Agreement for any reason, the Recipient Party shall (i) keep the Disclosing Party's confidential information confidential, not disclose the Disclosing Party's confidential information to any other person other than with the prior written approval of the Disclosing Party or in accordance with this Clause and (ii) not use the Disclosing Party's confidential information for any purpose other than the performance of its obligations under this Agreement or otherwise in connection with the operation of the company or for the benefits of the company.

32.5 All the Appendixes shall form integral part and be read as part of this Agreement. "IN WITNESS

WHEREOF, the Parties have caused this Agreement to be sealed and executed by their duly authorized representatives to whom this Agreement refers at the place and on the date as mentioned above."

For and on behalf of

………………………………………………………… Party A,

Party B,

Party C,

Party D

WITNESSES

Name ________________________	Name ________________________
( )	( )
Name ________________________	Name ________________________
( )	( )

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Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 8

Factory Design, Drawings and Measurements

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

ThyssenKrupp
Industrial Solutions

ThyssenKrupp

Basis of Design

No. **05-96-14832-0000-BOD-ENG-001**

Title: **Basis of Design**

Project Name: **Thanylin Loading and Storage Facility**

Job Number: **05-96-14832**

Client: **Ava Kahyasi Investments Pte Ltd**

C	11/11/2014	Change in Facility Location	SBM		Various		PN		SBM	
B	01/9/2013	Change in Facility Capacity	SBM		Various		PN		SBM	
A	01/3/2013	Issued for Internal Review	SBM							
REV	**DATE**	**DESCRIPTION**	**INIT**	**SIGN**	**INIT**	**SIGN**	**INIT**	**SIGN**	**INIT**	**SIGN**
			PREPARED		**CHECKED**		**REVIEWED**		**APPROVED**	

DESIGN STANDARDS			
		Description	Relevant Codes / Standards
	General		
		Hazardous Area Classification	API 505
		Preparation of Drawings	ISA-5.1
		Project Quality Assurance	ISO 9000
	Process		
		Pressure-Relieving and Depressuring Systems	API
		Sizing, Selection and Installation of Pressure-relieving Devices in Refineries	API
		Venting Atmospheric and Low-pressure Storage Tanks: Non-refrigerated and Refrigerated	API
	Mechanical Engineering		
		Air-Cooled Exchangers	API, ASME
		Steam Boilers	ASME
		Burners for Fired Heaters	API, ASME
		Centrifugal Compressors	API
		Centrifugal Fans	API
		Centrifugal Pumps	API/ANSI
		Cooling Water Tower	NFPA, CTI ATC-105
		Design & Construction of LPG Installations	API
		Fired Heaters	API
		Flare Details	API
		Gas Turbines – Design and Specification	API
		General-purpose Gear Units	API
		Installation and Commissioning of Mechanical Equipment	API
		Lubrication, Shaft-sealing and Control Oil Systems	API
		Materials	ASTM
		Materials Resistant to Sulfide Stress Cracking	NACE
		Noise Abatement	OSHA
		Plate Heat Exchangers	API

DESIGN STANDARDS			
		Description	**Relevant Codes / Standards**
		Positive displacement pumps	API/ANSI
		Pressure vessels	ASME
		Pressurised LPG Storage	ASME
		Reciprocating Compressors	API
		Road Tanker Loading and Unloading	NFPA
		Rotary Positive Displacement Compressors	API
		Shell and Tube Heat Exchangers	API, TEMA, ASME
		Special Purpose Coupling	API
		Special Purpose Gear Units	API
		Stacks	API
		Steam Ejector Equipment	API
		Steam Turbines – Design and Specification	API
		Storage Tanks – Design and Specification	API
		Welding	AWS
	Piping Engineering		
		Large Diameter Steel Flanges	ASME
		Pipe Stress Design and Criteria	ISO
		Piping Specification and Classes	ASME
		Pipe Support	ANSI
	Instrument Engineering		
		Control Systems for Fired Heaters and Related Equipment	API
		Control Systems for Packaged Equipment	API
		Controls and Instrumentation for Packages	API
		Distributed control Systems – Design and Specification	API
		Fire and Gas Detection Systems	ANSI/API
		Process Analysers	ANSI/API
		Process Instrumentation and Control	API
		Refinery Control Valves	API
		Transmission Systems	API

DESIGN STANDARDS			
		Description	**Relevant Codes / Standards**
	Electrical Engineering		
		Earthing Systems	IEC
		Electric Heaters	IEC
		Electrical Distribution Systems	IEC
		Electrical Engineering Guidelines	IEC
		Electrical Power Generation Systems	IEC
		Electrical Trace Heating	IEC
		High-Voltage Switchgear	IEC
		National Electrical Code	IEC
		Power Transformers	IEC
		Variable Speed Drives	IEC
	Civil / Structural Engineering		
		Blast Resistant Buildings and Rooms	BS / ASCE
		Buildings / Structures	BS / AISC / ACI
		Drainage Systems	ANSI / ASCE
		Fireproofing Practices In Petroleum and Petrochemical Processing Plants	API
		Foundation Design	ACI
		HVAC for Buildings	ISO
		Platforms, Ladders, Grating etc	ISO
		Roads and Pavements	BS
		Steel Structures	AISC
		Underground Cables, Piping and Trenching	ISO
		Sanitary	API
	Coatings and Surface Protection		
		Cathodic Protection	API
		Coating Systems for Line Pipe	API
		Painting and Coating	GES X.01
		Thermal Insulation (Hot)	DIN
		Thermal Insulation (Cold)	DIN
		Polyethylene coatings for steel pipes and fittings	DIN 30670 S-v

DESIGN STANDARDS			
		Description	**Relevant Codes / Standards**
	Safety Systems		
		Aircraft Warning Lights	BS
		Application of Water Spray Systems for Fire Protection	NFPA
		Carbon Dioxide Extinguishing Systems	NFPA
		Dry Chemical Extinguishing Systems	NFPA
		Expansion Foam Systems	NFPA
		Fire Fighting Extinguishers and Agents and Equipment	NFPA
		Fire Protection in Refineries	API
		Fixed Water Spray Systems	NFPA
		Flame Arresters for Vents of Tanks Storing Petroleum Products	API
		Flame Arresters in Piping Systems	API
		Flammable and Combustible Liquids Code	NFPA
		Foam-water Sprinklers & Sprays	NFPA
		Sprinkler Systems	NFPA
		Stand Pipe and Hose Systems	NFPA
		Stationary Fire Pumps	NFPA

The Thilawa Loading and Storage Facility Design shall be carried out in accordance with international standards listed in Section 14.2 and the design criteria laid out by the engineering disciplines as listed in the subsequent subsections of this document.

Process Engineering Design

The process design of the Loading and Storage Facility shall be performed on the basis as detailed with in this document. A Process Engineering Design Criteria shall be developed as a separate document and shall provide detailed guidelines for defining the process specifications for equipment instruments, piping and process systems such as relief system, cooling water system etc.

The bulk storage facility area classification will be designed according to API 505. All offices, control rooms, workshops and outbuildings to be in an unclassified area.

General Considerations

Safety distances for preliminary plant designs are given by TKIS design specification ref: SPEC-00000-TL-PI-003. The following points shall be taken into consideration when selecting and preparing the layout of the site:

- The maximum number of vessels in any above-ground group shall be four. Groups shall be separated by at least 15 m.
- Surface horizontal vessels shall be placed in parallel and not in line with or at right angles to one another as the possibility exists that, if involved in a fire, vessels may be propelled along their longitudinal axis. Horizontal vessels shall not be directed towards nearby plants or storage.
- Mounded storage vessels can be as close as 1 m separated from each other and must be covered by at least 500 mm sand/soil.
- The site topography, with particular reference to its effect on the flow of escaped liquid and heavier than air vapour clouds to possible ignition sources, important work areas and possible constraints on the dispersion of vapour.
- The availability of additional space to accommodate all foreseen operations and likely future extensions.
- The direction of the prevailing wind, i.e. LPG storage should be downwind of other facilities.
- The current and future use of the adjoining land, e.g. whether residential, industrial, etc.
- The routes to road LPG gantries should be segregated from other product movements.
- Ease of access for fire fighting and other emergency services.
- The availability of at least two non-adjacent means of escape from the site.

Piping

Only piping directly associated with the storage vessels shall be located within the storage area.

Piping shall be fire protected by water sprays/monitors, and pipe supports shall be protected by passive means.

Distances from LPG storage facilities to fixed sources of ignition

Fixed sources of ignition are defined as plant furnaces and boilers, fixed engines and similar facilities. Vessels above 135 m3 capacity, pump bays and loading/discharge facilities shall be located to ensure the following minimum distances to fixed sources of ignition:

- 22.5 metres for storage vessels not exceeding 265 m3
- 30 metres for storage vessels exceeding 265 m3
- 25 metres for pump bays and loading/unloading facilities

Deflection walls may be used to extend the vapour travel path to meet these safety distances.
Such walls should be so located as to minimise the risk of flame engulfment of storage vessels, in the event of ignition of escaped product, and also to ensure free ventilation of the storage area from at least three directions, taking into account prevailing winds.

Grading, Ground Finish and Drainage

The general design principles with respect to drainage and primary treatment for LPG facilities are similar to those laid down for general refinery design.

Spills shall be drained away from equipment as quickly as possible, to ensure that escaped product cannot collect under vessels or remain in their immediate vicinity. To facilitate the flow of escaped product and prevent its penetration into the soil, the ground shall be finished with concrete paving sloping towards the perimeter drain channels.

Potential liquefied gas spills shall be drained away from equipment as quickly as possible to a safe distance where the liquefied gas shall be allowed to evaporate in a collection basin or open ditch (liquid gas trap). Spills shall not be allowed to enter any closed drainage network, and to prevent ingress of liquefied gas entering the underground flooded drainage network, gas seals shall be constructed at the connection of gas traps to the underground drainage system.

Paved areas of liquefied gas processing, storage and loading facilities shall be divided into sub catchment areas of approximately 30 m x 40 m. The areas shall be finished with concrete paving sloping at a gradient of 1:100 towards the perimeter drain channels.

Separation

There will be a positive separation/deflection, e.g. a wall of 0.6 metre maximum height, between the storage vessels and the pipe manifold/track to prevent the flow of any leakage from one to the other. Deflection

walls may be considered between vessels to prevent product escape from one vessel from flowing under another.

Confinement

Bund walls interfere with the ventilation of the site and impede the vaporisation / dispersion of escaped products and shall not be used.

Venting

All emergency relief valves will be routed to atmosphere at a safe location. Maintenance venting as well as venting from water draining operations will be routed via a vent collection system to a dedicated vent drum and elevated vent stack located at a safe location.
Routine venting of pressure vessels to prevent build-up of non condensable gases will be collected in a separate vent header and can in the future be routed to a power plant (gas engines).

Visual Impact

The Loading and Storage facility is a potential eyesore as it will be located close proximity to the Yangon River and public may have safety concerns. As such the LPG bulk storage bullets will be buried within an approximately 8 metre high mound to reduce the level of visual impediment.

Roadways and Access

The layout of a bulk storage depot is to be planned according to international guidelines

- The roads shall be so aligned in relation to the siting of the bullets, plant and buildings that basic operational requirements are complied with, and ease of access is provided for fire-fighting purposes at all times
- The facility must also be equipped with at least two entrance/exit gates for ease of evacuation/entrance during emergencies and other unplanned events.
- LPG road tankers must always have a free path ahead of them for ease of evacuation when required during emergency situations. Dual lane roads are therefore a requirement. Special parking areas should be allocated for LPG tankers. Parking areas for LPG tankers should be so designed that a large spill will not endanger the bulk storage facility, buildings or any other structures.
- A perimeter road may be sited within the safety distances between tanks and boundaries.
- There shall be no dead ends
- On-site roads should not be used for parking.

Ship Offloading and Transfer

Ship offloading will be done from the dedicated berthing position at the plant's unloading facility by making use of International Maritime Organisation (IMO) complying marine loading arms in a zoned area on the quayside according to TNPA guidelines.

The transfer line to the bulk storage should be killed carbon steel capable of handling a variety of feed temperatures (pressurised) and pressures (up to 18-20 bar(g)).
The transfer line is only expected to be 100-200 m in length.

Road Tanker Filling and Spillage Control

The loading areas for road tankers shall be surfaced with materials that are resistant to damage by the product(s) and by fire. The surface shall be so graded that spillage occurring at any one point will not flow under vehicles at any other point.

Bottling Filling

The bottling plant shall be surfaced with materials that are resistant to damage by the product(s) and by fire. The surface shall be so graded that spillage occurring at any one point will not flow under vehicles at any other point.
10.Transfer Modes

The three primary transfer modes of the facility begin with LPG ship offloading as illustrated in Attachment 1. The second mode is from bulk storage to transfer storage and the third mode is from transfer storage to the consumer via truck or bottle.

More numerous transfer modes are required to allow for batch blending, correction blending, stock management, emergency supply transfers (e.g. a vessel out of service due to maintenance, emergency etc.) and continuous transfers (where a bulk consumer is involved). These transfer modes are detailed as:

- Ship to bulk storage (all simultaneous or selected)
- Bulk storage to other bulk storage (for stock management or blending)
- Bulk storage to transfer storage (for batch preparation)
- Transfer storage to bottling plant
- Transfer storage to transfer storage (for stock management, maintenance or correction)
- Transfer storage back to bulk storage (for stock management, maintenance or correction)
- Transfer storage to bottling plant
- Bulk storage to road tankers

Tanker load metering will be done using Corriolis-type, cumulative flow meters and weighbridges.

Bottle Filling

Bottle metering will be done using Coriolis-type, cumulative flow meters on the incoming feed line to the bottling plant with all bottle sales being based on bottle weight and weigh scales.   Flow metering is for cross referencing purposes.

Rotating Equipment

The rotating equipment includes all pumps and the air compressor:

- There will be two 100% duty bulk storage pumps to transfer from bulk storage to the transfer vessel and truck loading. Piping and valving arrangements are to be provided allow for versatility in all the transfer and blending/mixing modes. A single warehouse spare will be available as standby for the bulk storage vessels pumps.
- From the transfer vessel to bottling plants, pumps will consist of 2 x 100% duty pumps with each of the bottling plant packages to allow for sparing and operational flexibility.
- Instrument Air compressors consist of 2 x 100% duty units oversized to also supply clean air to the N2 generator(s) during peak N2 demand.
- Fire water pumps will comply with NFPA specifications in terms of redundancy and type of prime movers.

LPG Bulk and Transfer Vessels

The Bulk Storage vessels are specified to provide one month's operational storage. A maximum vessel size mounded bullets, has been selected at 750 MT each, with a total of 4 vessels required.

There are enough vessels to allow for at least one vessel to be taken out of service for maintenance and statutory inspection with minimal effect on the LPG facility throughput. No additional spare vessels will be provided.

Four transportable transfer bullets are provided. If one bullet is out of service (for maintenance or statutory inspection) product can be blended and dispatched to road or bottle loading using one of the bulk storage vessels. Again, no additional spare vessels will be required.

Odourisation

The gas will not be odourised at the facility.

Utilities

Utilities such as potable water, fire-fighting water and electricity have been assumed that they cannot be provided by the local services councils and will be produced or treated on site.
Water will be taken directly from the Yangon river, treated for process water requirements, with further filtration, UV sterilization and chlorine dosing for Potable water demands

Fire water will be drawn directly from the river via a dedicated inlet, as such no fire water tankage is envisaged

All waste water treatment from the process, domestic waste, storm water etc will be treated on site and discharged back to the river.

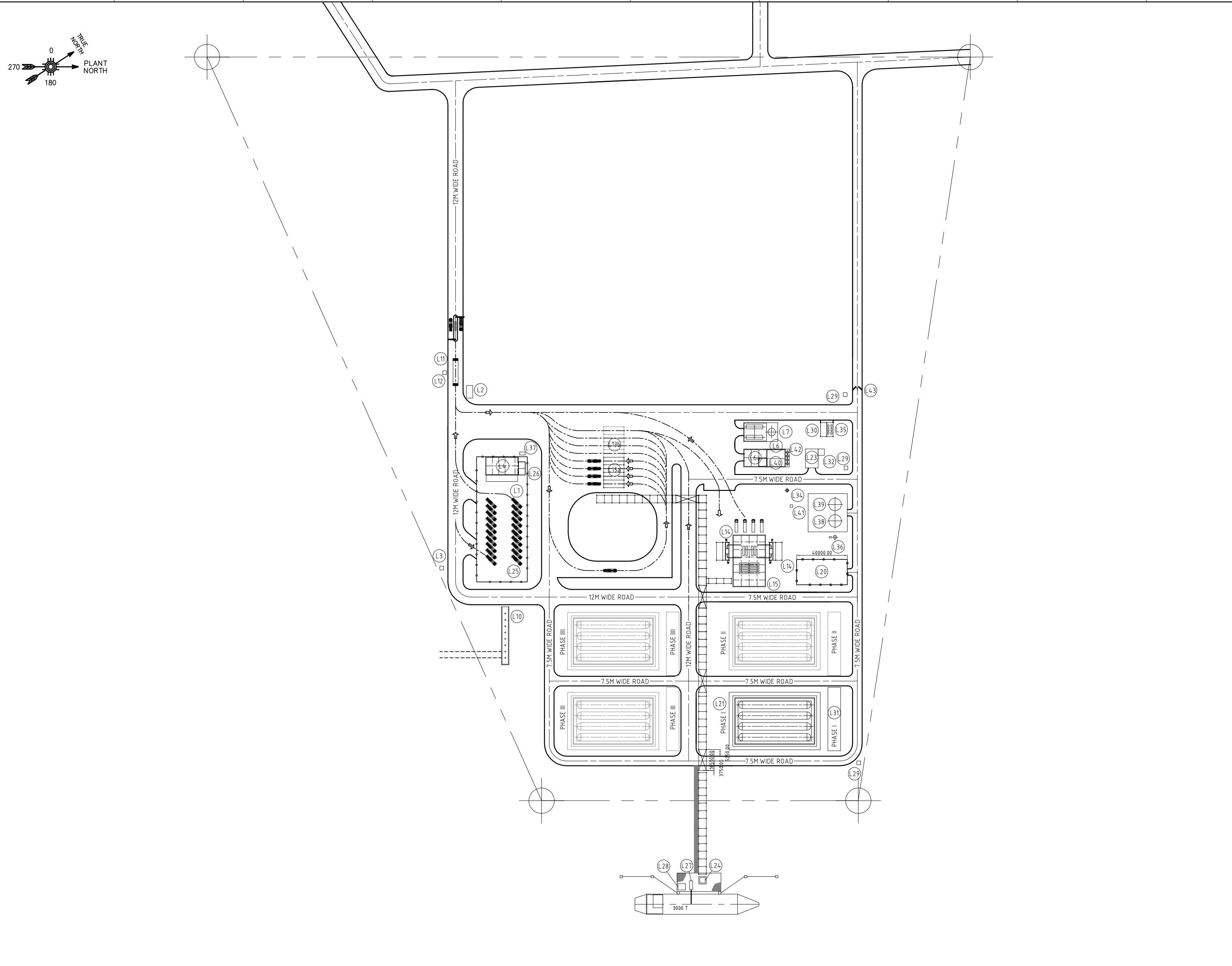
Instrument air will be delivered to the facility at employing two 100% screw compressors and associated equipment. A typical, modular skid-mounted system includes the air compressor sets incl. chillers, air-driers and a suitably sized air receiver, designed to supply instrument air to all users at the required pressure dew point, even under surge conditions.

Process air may be tied off before the air-driers and supplied to the facility at a suitable pressure, mainly for maintenance related activities.

Nitrogen may be supplied via either a skid-mounted membrane system or pressure swing absorption (PSA) system on site. Preference is made to the PSA system due to more robust equipment and lower operating and investment costs. The nitrogen will be required to purge piping and vessels.

The Nitrogen generation system will supply its own air using a single screw-type compressor.
Nitrogen at 99% v/v N_2 purity will be supplied at a pressure of 8 bar(g). The system will be sized based on three successive pressurisation and depressurisation cycles, where each cycle is limited to 24 hours.

Three x 50% duty dual fuel Diesel / LPG fuelled generators operating in a 2 running and 1 standby configuration are recommended for permanent and backup electricity supply. The justification for this comes on the back of expected power outages that occur in Myanmar and the requirement that the facility should help boost security of energy supply to Myanmar.



SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE. (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
	B MOUNDED LPG STORAGE BULLET-750 MT		
	C MOUNDED LPG STORAGE BULLET-750 MT		
	D MOUNDED LPG STORAGE BULLET-750 MT		
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	RECEIVING STATION	-	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.
2. TO BE CONFIRMED LATER.

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		2	17/09/13	Comment. Revised site plan							
		1	05/07/13	Comment. Revised site plan							
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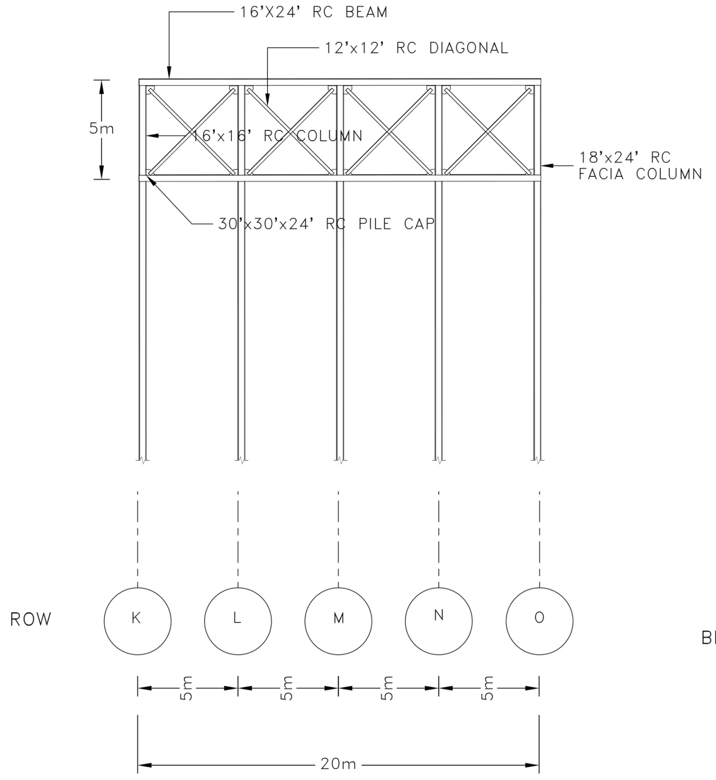
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AVA GAS COMPANY-LPG
DISTRIBUTION FACILITIES
OVERALL PLOT PLAN

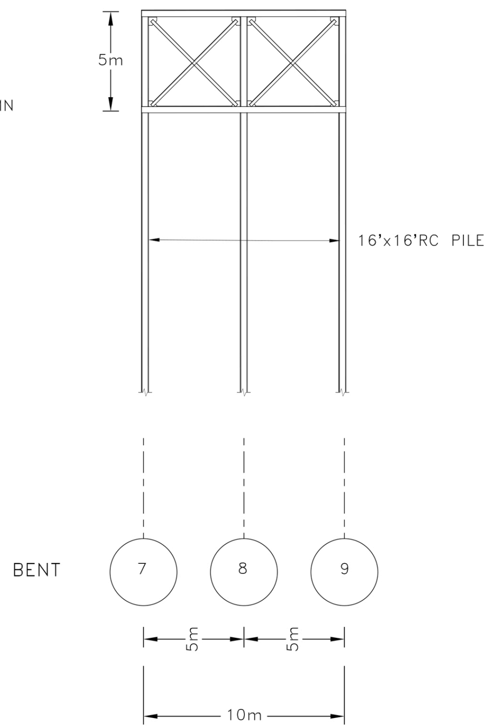
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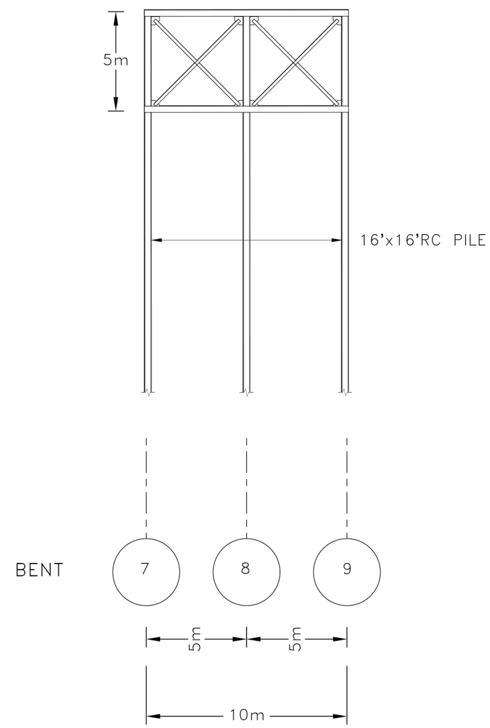




LONGITUDINAL ELEVATION AT BENT
2,4,6,8,10,14



SECTION ON ROW C,L,G,J,L,N



SECTION ON ROW D,F,H,K,M,O

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT B MOUNDED LPG STORAGE BULLET-750 MT C MOUNDED LPG STORAGE BULLET-750 MT D MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	JETTY / PIG RECEIVING STATION	20.00x20.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
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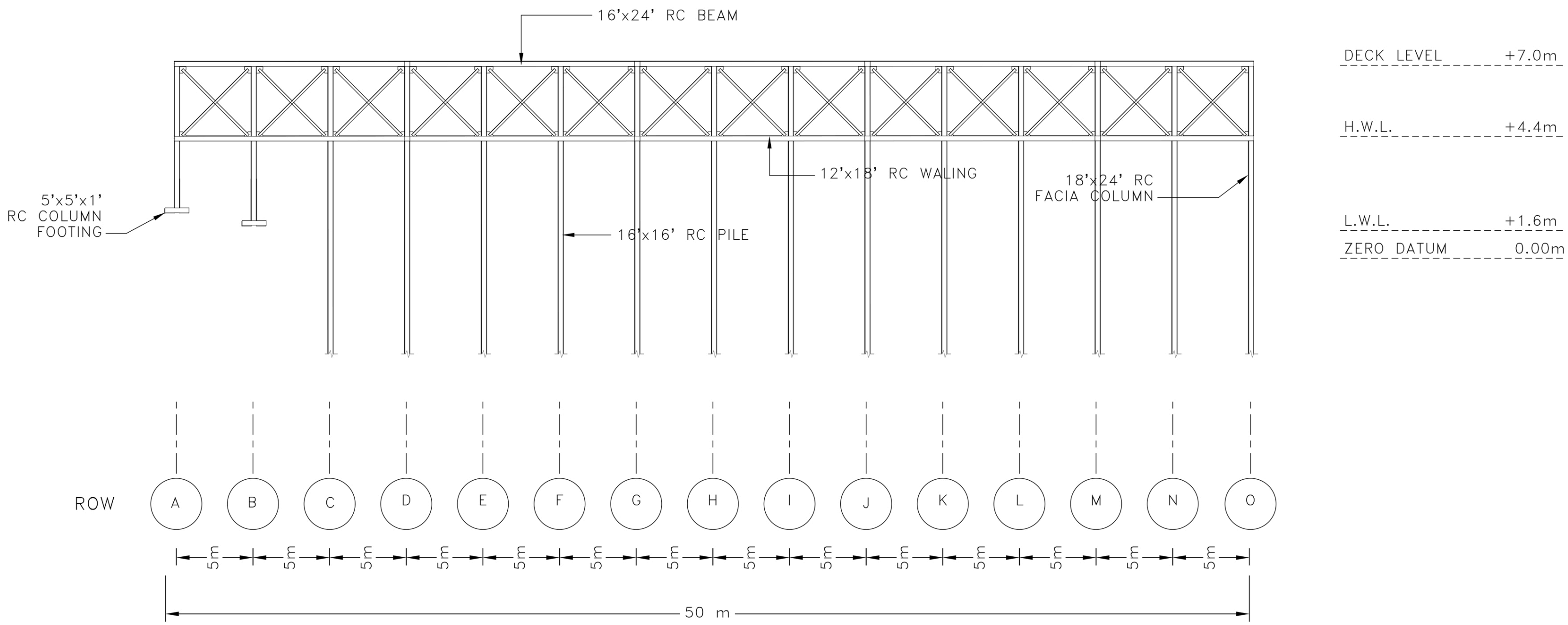
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PROJECT: 05-96-14832
SCALE: 1:1500 (A1)

TITLE AVA GAS COMPANY-LPG TERMINAL

DOC. NUMBER UT-PI-000-LA-0001
REV. 4



LONGITUDINAL ELEVATION

SCHEDULE OF LPG FACILITIES

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L26	DRIVER'S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
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L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

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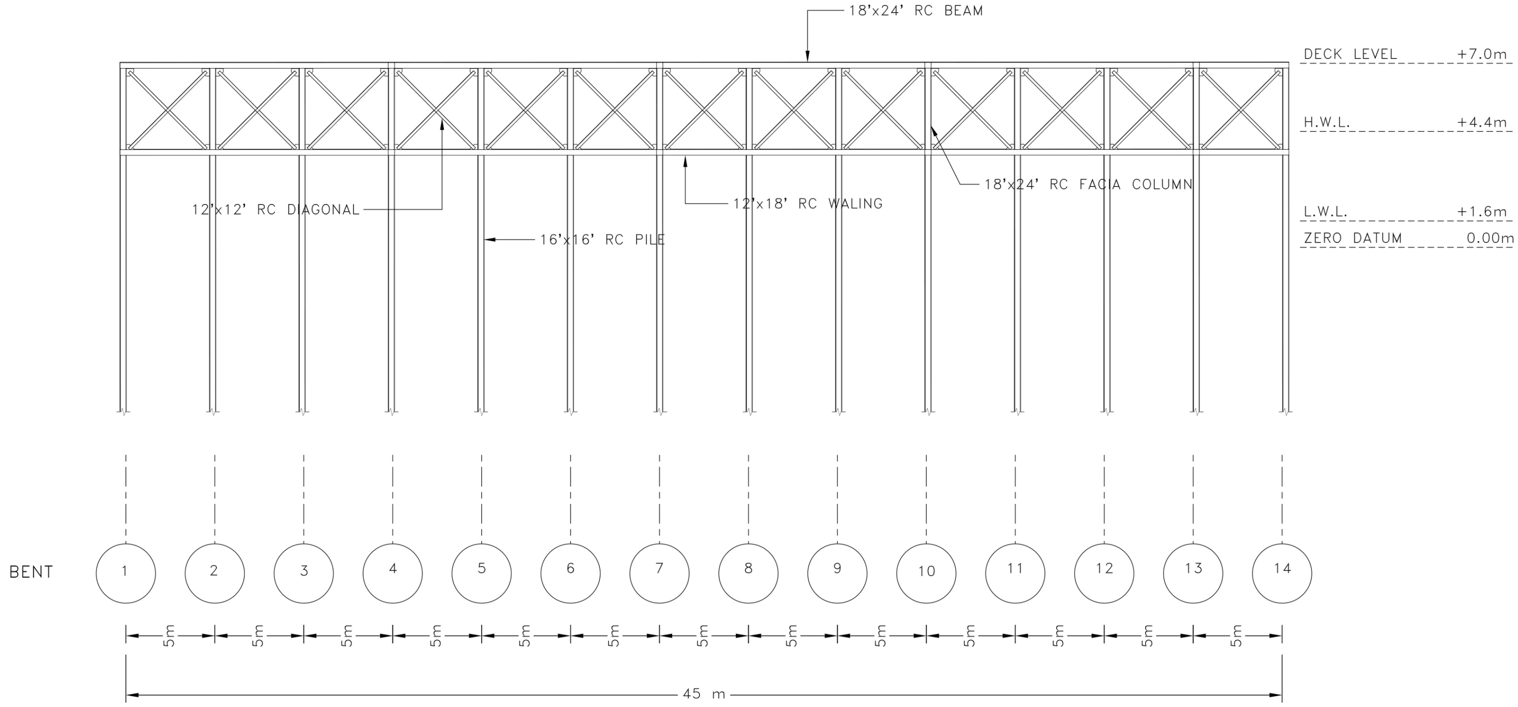
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SCALE: 1:1500 (A1)

TITLE AVA GAS COMPANY-LPG TERMINAL

DOC. NUMBER UT-PI-000-LA-0001

REV. 4



FRONT ELEVATION

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT B MOUNDED LPG STORAGE BULLET-750 MT C MOUNDED LPG STORAGE BULLET-750 MT D MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	JETTY / PIG RECEIVING STATION	20.00x20.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.
2. TO BE CONFIRMED LATER.

SCALE IN METRES 1:1500 (2, 0, 20, 40, 60, 80, 100)

BARCODE

UT-PI-000-LA-0001

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		2	17/09/13	Comment. Revised site plan							
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ThyssenKrupp

CLIENT

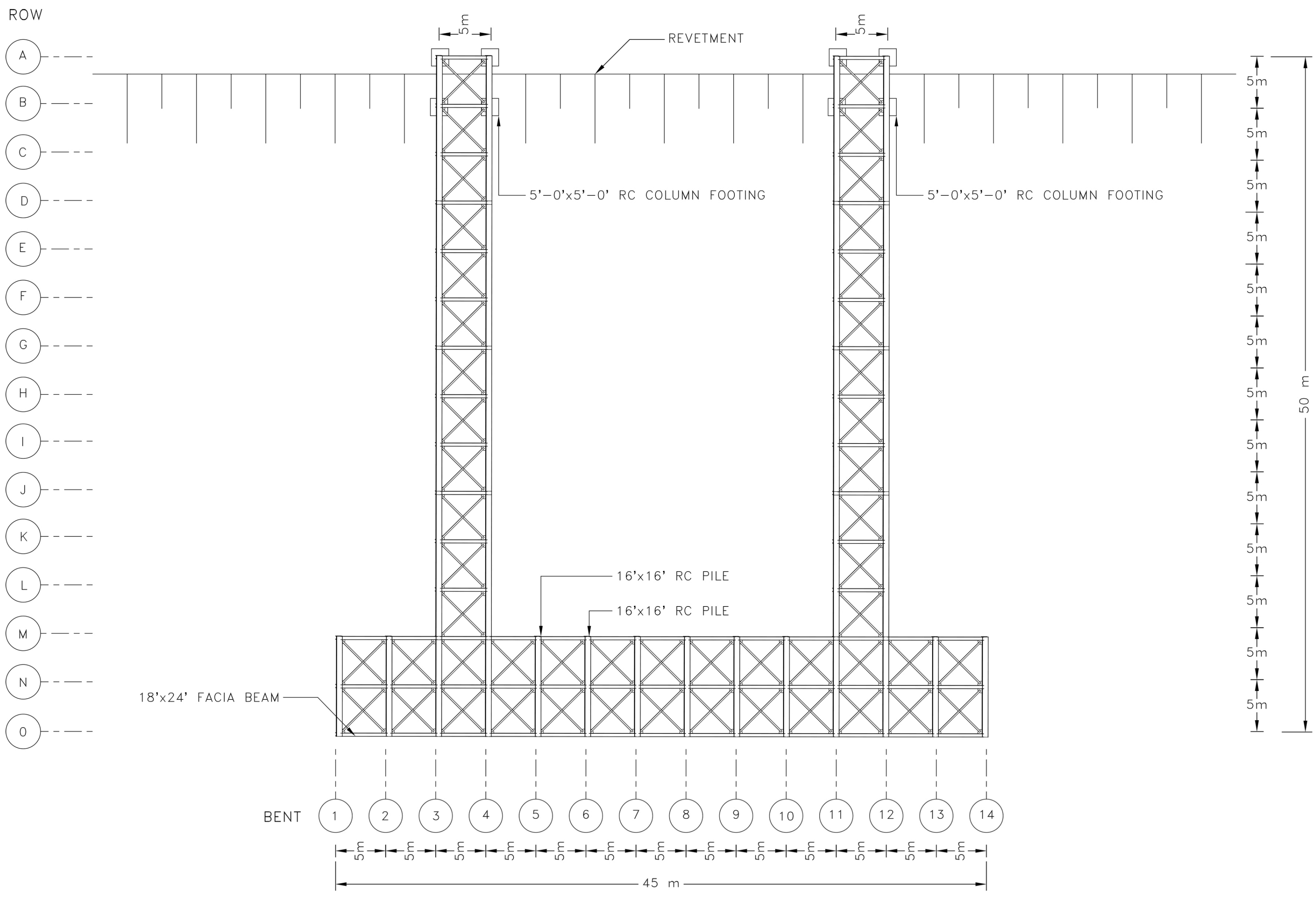
PROJECT: 05-96-14832

SCALE: 1:1500 (A1)

TITLE: AVA GAS COMPANY-LPG TERMINAL

DOC. NUMBER: UT-PI-000-LA-0001

REV.: 4



BEAM PLAN

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE. (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
	B MOUNDED LPG STORAGE BULLET-750 MT		
	C MOUNDED LPG STORAGE BULLET-750 MT		
	D MOUNDED LPG STORAGE BULLET-750 MT		
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	JETTY / PIG RECEIVING STATION	20.00x20.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.
2. TO BE CONFIRMED LATER.

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SCALE IN METRES 1:1500

BARCODE
UT-PI-000-LA-0001

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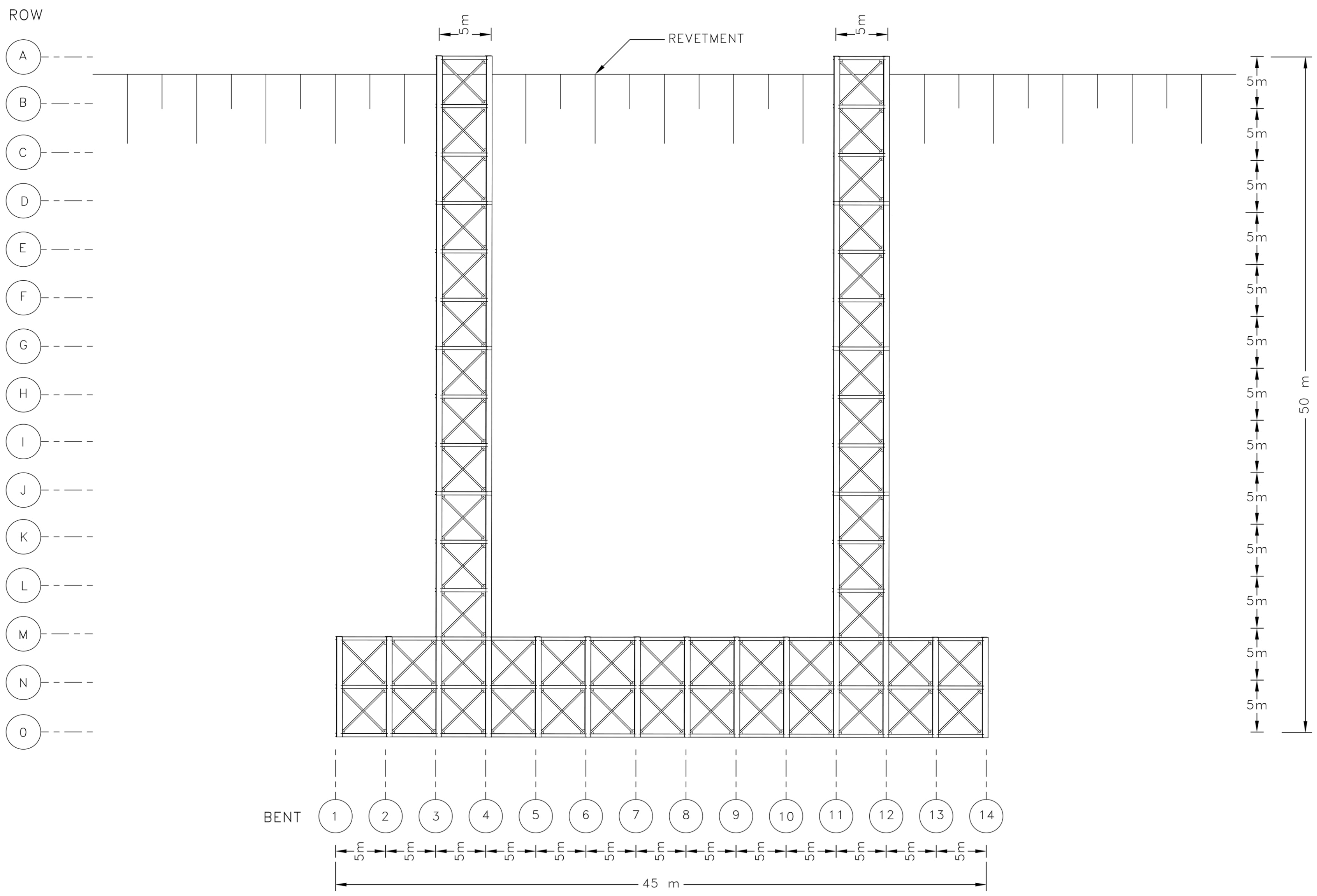
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ThyssenKrupp

CLIENT
PROJECT: 05-96-14832
SCALE: 1:1500 (A1)

TITLE AVA GAS COMPANY-LPG TERMINAL

DOC. NUMBER UT-PI-000-LA-0001
REV. 4



TOP PLAN

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE. (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
	B MOUNDED LPG STORAGE BULLET-750 MT		
	C MOUNDED LPG STORAGE BULLET-750 MT		
	D MOUNDED LPG STORAGE BULLET-750 MT		
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	JETTY / PIG RECEIVING STATION	20.00x20.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.
2. TO BE CONFIRMED LATER.

2 0 20 40 60 80 100
SCALE IN METRES 1:1500

BARCODE
UT-PI-000-LA-0001

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ThyssenKrupp

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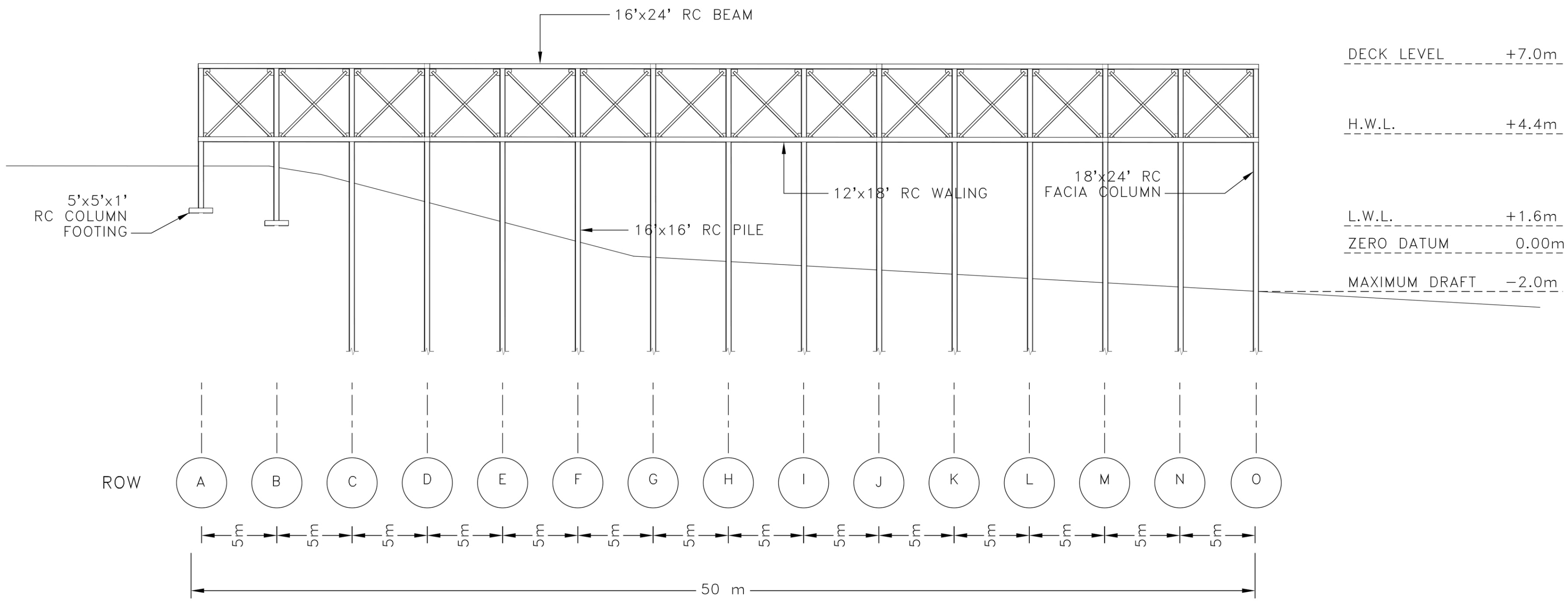
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SCALE: 1:1500 (A1)

TITLE AVA GAS COMPANY-LPG TERMINAL

DOC. NUMBER UT-PI-000-LA-0001

REV. 4



LONGITUDINAL ELEVATION

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	25.00x14.00	2 FLOOR
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	13.50x18.00	
L7	DG SETS	17.50x14.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L11	WEIGH BRIDGE	18.00x4.00	
L12	WEIGH BRIDGE CABIN	3.00x3.00	
L13a	TANK TRUCK GANTRY 4 BAYS	24.00x16.00	
L13b	TANK TRUCK GANTRY 4 BAYS FUTURE		
L14	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	20.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L21	A MOUNDED LPG STORAGE BULLET-750 MT B MOUNDED LPG STORAGE BULLET-750 MT C MOUNDED LPG STORAGE BULLET-750 MT D MOUNDED LPG STORAGE BULLET-750 MT	6.00D x51.00M (T/T) L	
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L24	JETTY / PIG RECEIVING STATION	20.00x20.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	50.00x30.00	
L26	DRIVER' S BLOCK	10.00x5.00	
L27	LOADING ARM	-	
L28	GANTRY OFFICE	10.00x5.00	NOTE 2
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L31	PRODUCT PUMP HOUSE	50.00x10.00	
L32	LPG / AUTO LPG COMPRESSOR	5.00x5.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L36	COOLING WATER TANK	3.00M IDx4.50HT	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L41	NEUTRALISING PIT	2.00x2.00	
L42	COOLING TOWER	-	
L43	EMERGENCY GATE		

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.
2. TO BE CONFIRMED LATER.

2 0 20 40 60 80 100
SCALE IN METRES 1:1500

BARCODE
UT-PI-000-LA-0001

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ThyssenKrupp

CLIENT

PROJECT: 05-96-14832

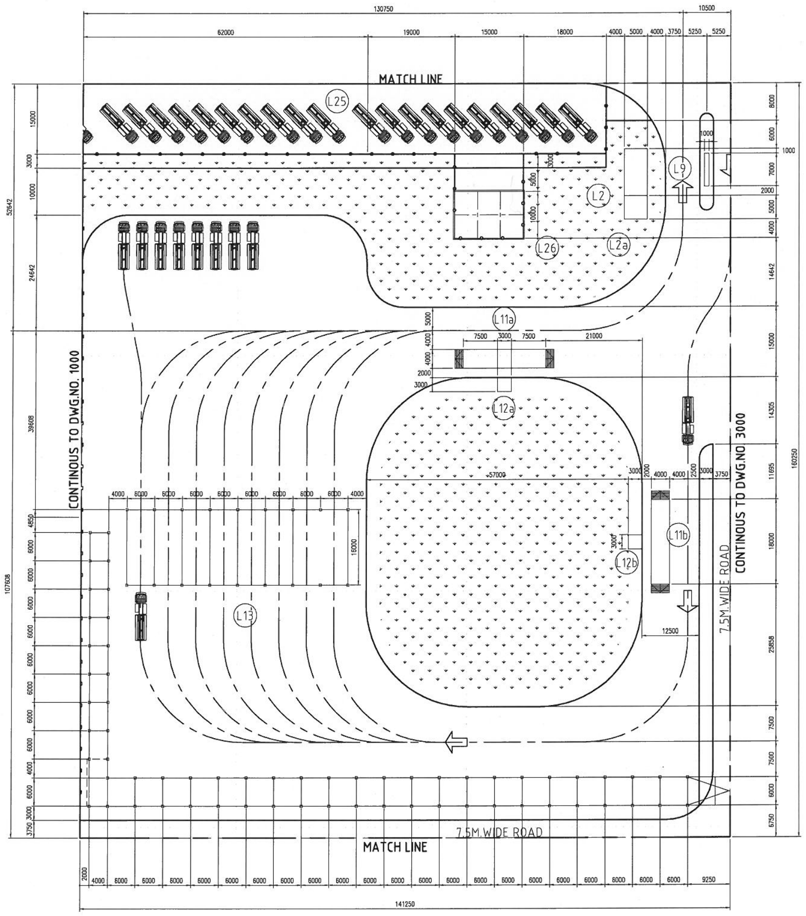
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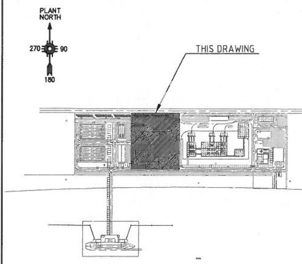
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DOC. NUMBER UT-PI-000-LA-0001

REV. 4

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KEY PLAN

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L2	SECURITY CABIN & OFFICE	5.00x10.00	
L2a	PLANNING ROOM	5.00x5.00	
L9	CYLINDER CHECKING PLATFORM	1.00X7.00	
L11a/b	WEIGH BRIDGE - 2 NOS.	18.00x4.00	
L12a/b	WEIGH BRIDGE CABIN - 2 NOS.	3.00x3.00	
L13	TANK TRUCK GANTRY 6 BAYS+2 FUTURE	36.00x16.00	
L25	TANK TRUCK & CYLINDER CARRYING TRUCK PARKING AREA	227.75x15.00	
L26	DRIVER'S BLOCK	15.00x10.00	

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.

BARCODE

UAN

TITLE ARCADIA-THILAWA
UNIT PLOT PLAN
AREA 2000

DOC. NUMBER UT-PI-000-LA-0004

REV. 0

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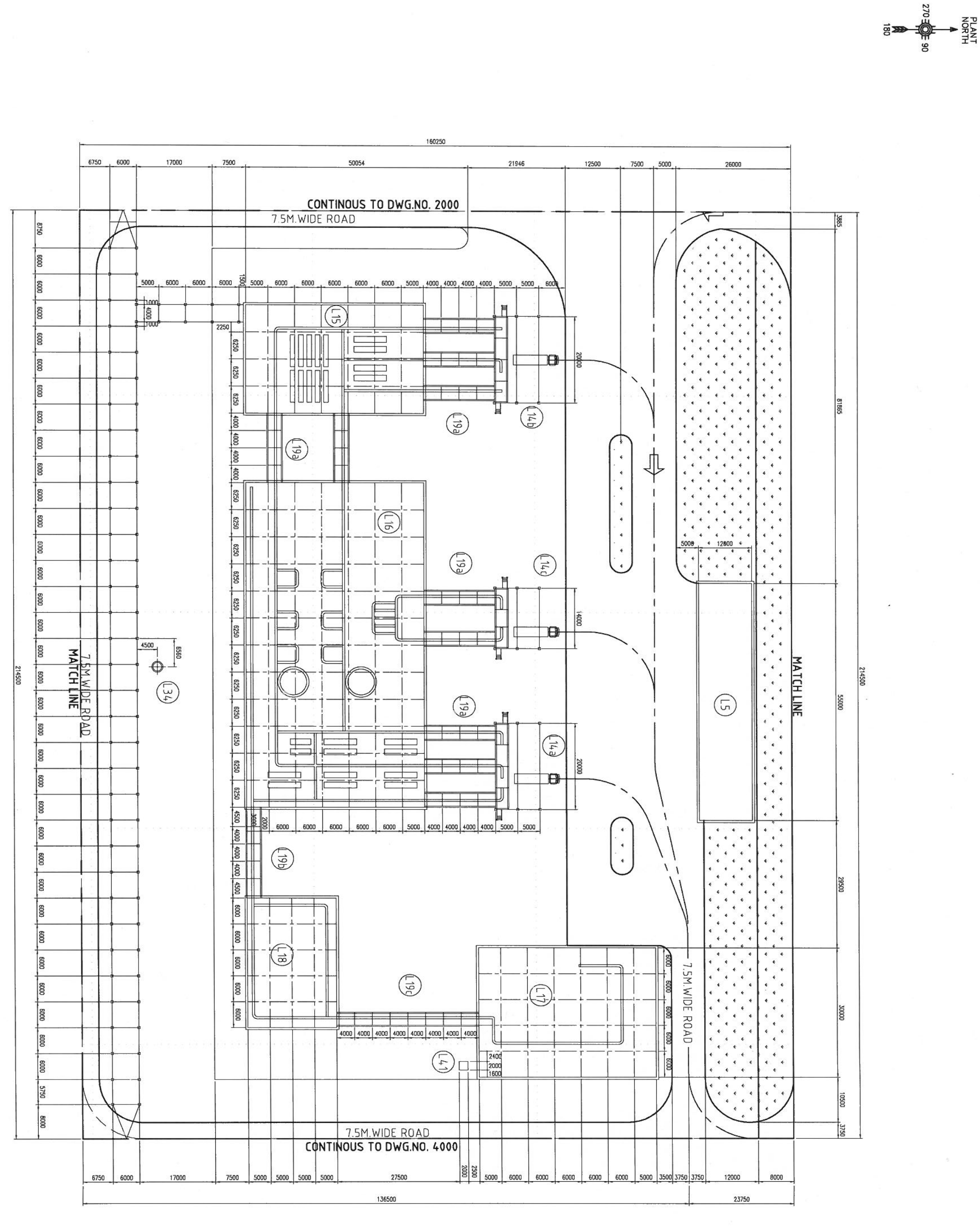
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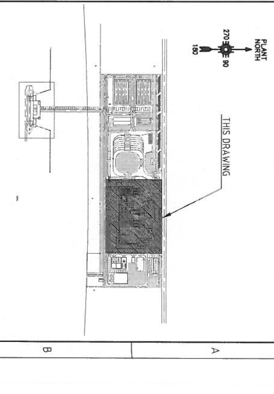
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A1 FRAME Plot date: 4/22/2013 12:36 PM





SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L5	WAREHOUSE	55.00x12.00	
L14a	CYLINDER UNLOADING PLATFORM(14.2kg./19.5kg)	20.00x10.00	
L14b	CYLINDER LOADING PLATFORM(14.2kg./19.5kg)	20.00x10.00	
L14c	LOADING/UNLOADING PLATFORM(5kg./35kg/47.5kg.)CYL	14.00x10.00	
L15	FILLED CYLINDER STORAGE SHED	25.00x40.00	
L16	EMPTY CYLINDER CUM FILLING SHED	40.00x75.00	
L17	CYLINDER TESTING SHED	40.00x30.00	
L18	VALVE CHANGING / DEGASSING SHED	20.00x30.00	
L19	A CONNECTING PLATFORMS	16.00x3.00	
	B CONNECTING PLATFORMS	21.00x3.00	
	C CONNECTING PLATFORMS	32.00x3.00	
L34	VAPOUR EXTRACTION DUCT WITH ID FAN	2.00ID	
L41	NEUTRALISING PIT	2.00x2.00	

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.

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CLIENT

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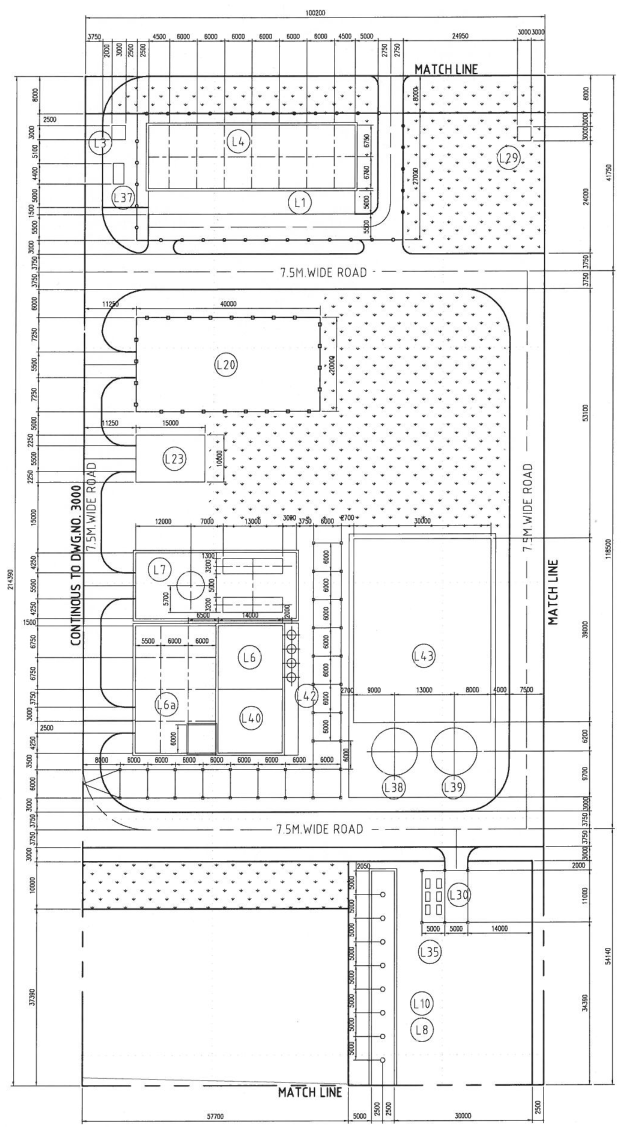
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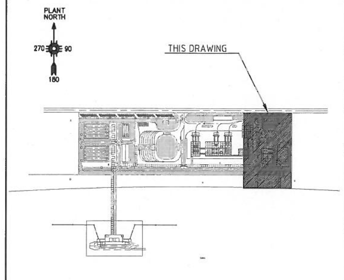
TITLE
ARCADIA-THILAWA
UNIT PLOT PLAN
AREA 3000

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KEY PLAN

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L1	CAR PARKING	45.00x5.00	
L3	SECURITY POST	3.00x3.00	
L4	ADMIN BUILDING/CONTRACT STAFF AMENITY ROOM/CONT.ROOM	45.00x13.50	
L6	AIR COMPRESS ROOM	14.00 x13.50	
L6a	MCC ROOM AND TR ROOM	27.00x17.50	
L7	DG SETS	35.00x14.00	
L8	FIRE WATER POND	45.00x5.00	
L10	FIRE WATER PUMP HOUSE	45.00x5.00	
L20	OPEN YARD WITH FENCING (MATERIAL/GAS CYLINDER)	20.00x40.00	
L23	EFFLUENT TREATMENT PLANT	15.00x10.00	
L29	WATCH TOWN - 5 NOS.	3.00x3.00	
L30	EMERGENCY RESCUE VEHICLE STATION	5.00x11.00	
L35	DIESEL DAY TANK FOR DG SETS. & PUMPS	11.00x5.00	
L37	SEWAGE TREATMENT PLANT	2.30x4.40	
L38	MAKE-UP WATER TANK	10.00ID x 3.81HT	
L39	POTABLE WATER TANK	10.00ID x 3.81HT	
L40	NITROGEN GENERATION SHED	14.00X13.50	
L42	AIR RECEIVER	-	
L43	WATER TREATMENT PLANT	39.00x30.00	

NOTE:-
1 ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.

BARCODE

UAN

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Uhde

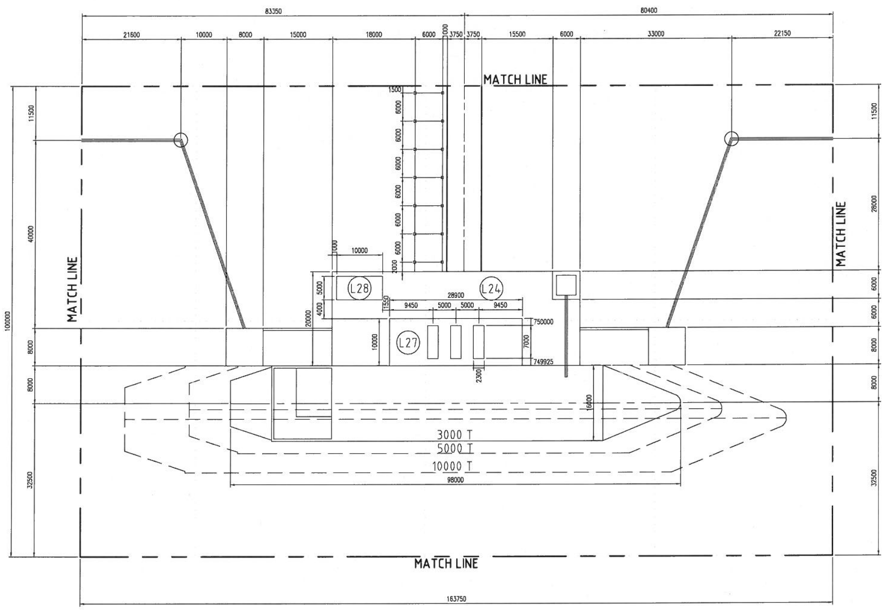
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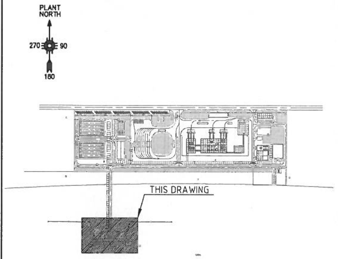
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TITLE
ARCADIA-THILAWA
UNIT PLOT PLAN
AREA 4000

DOC. NUMBER: UT-P1-000-LA-0006 REV. 0

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KEY PLAN

SCHEDULE OF LPG FACILITIES

MKD	FACILITY DESCRIPTION	SIZE (Mtr. x Mtr.)	REMARK
L24	JETTY / PIG RECEIVING STATION	54.00x20.00	
L27	LOADING ARM - 3 NOS.	-	
L28	GANTRY OFFICE	10.00x5.00	

NOTE:-
1. ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE STATED.

BARCODE

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DRAWING No.	REFERENCE DRAWING TITLE	REV	DATE	REVISION DESCRIPTION	DRAWN	CHK	DESIGN	ENG CHK	DES APP	UTL EM	CLIENT
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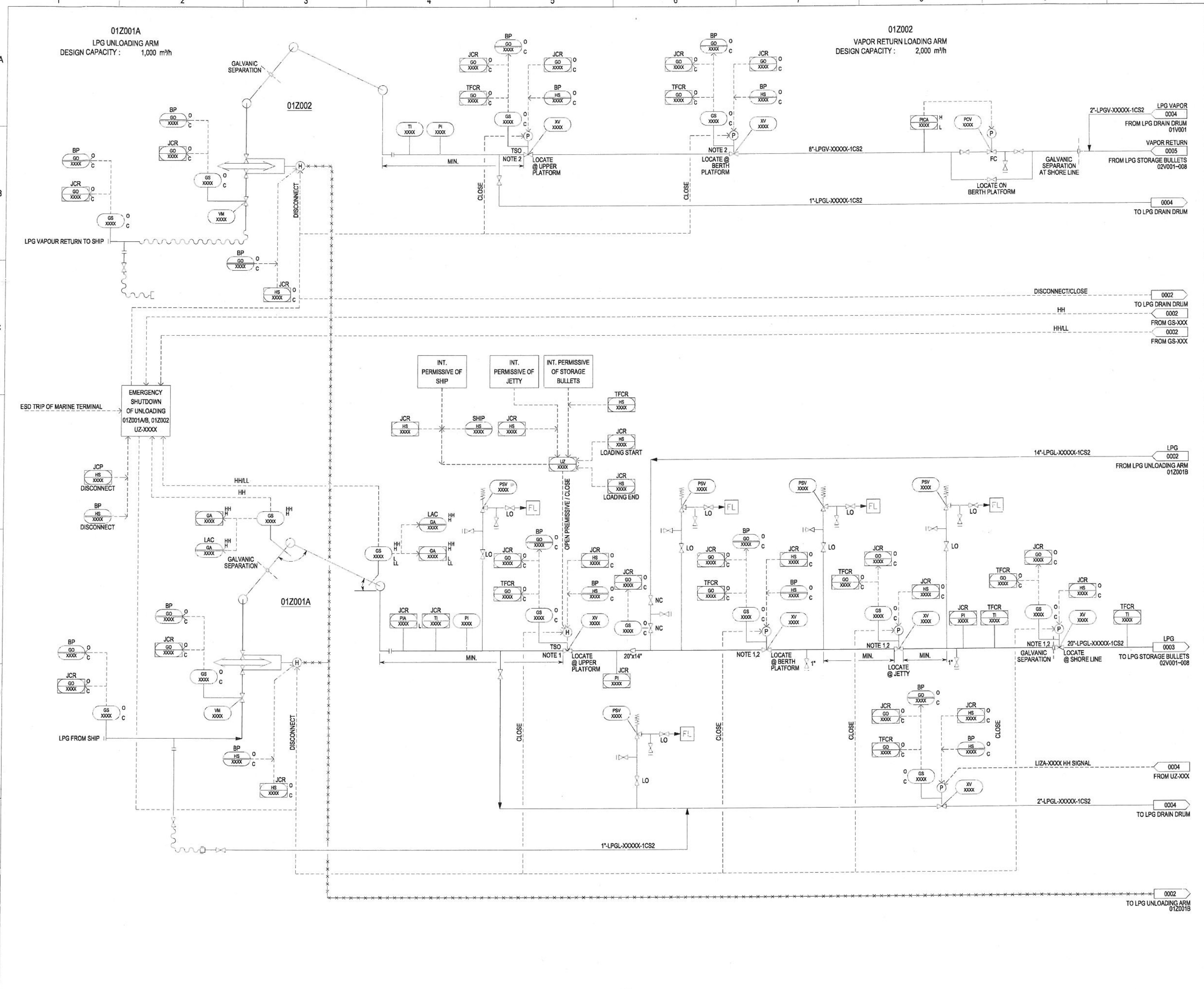
PROJECT: 05-96-14832

SCALE: 1:500 (A1)

TITLE
ARCADIA-THILAWA
UNIT PLOT PLAN
AREA 5000

DOC. NUMBER: UT-PI-000-LP-C007

REV. 0



REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10.04.13	INITIAL CONCEPT	WAH	SM	SM

GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) VALVES CLOSING TIME SHALL BE CONSIDERED BY EPC CONTRACTOR TO AVOID SURGE PRESSURE IN PIPE.
2) PERMISSIVE INTERLOCK SIGNAL.
3) DISTANCE TO BE CONFIRMED BY EPC CONTRACTOR DURING DETAILED ENGINEERING.

Document-ID UT-PR-000-FB-0001

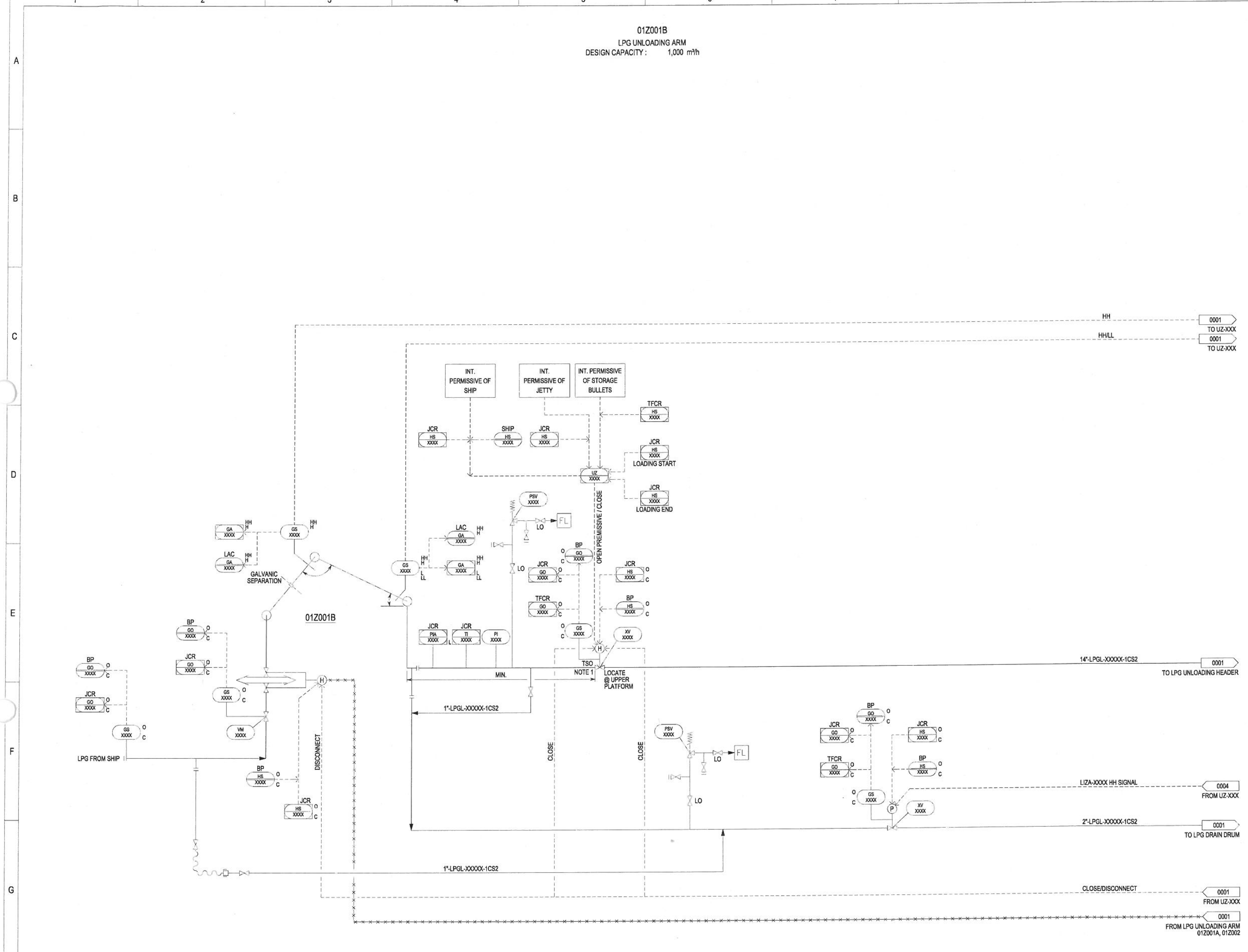
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Description	Project no. 05-96-14832	Unit
PIPING & INSTRUMENT FLOW DIAGRAM LPG UNLODAING ARM	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
STD. DWG. No.	Designed by: / Date	
	Checked by: / Date	Sheet No
DWG. No. 001	Approved by: / Date	

ISO A1



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) VALVES CLOSING TIME SHALL BE CONSIDERED BY EPC CONTRACTOR TO AVOID SURGE PRESSURE IN PIPE.
2) PERMISSIVE INTERLOCK SIGNAL.
3) DISTANCE TO BE CONFIRMED BY EPC CONTRACTOR DURING DETAILED ENGINEERING.

Document-ID UT-PR-000-FB-0002

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Description: PIPING & INSTRUMENT FLOW DIAGRAM LPG UNLODAING ARM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Drawn by: Date

Designed by: Date

Checked by: Date

Approved by: Date

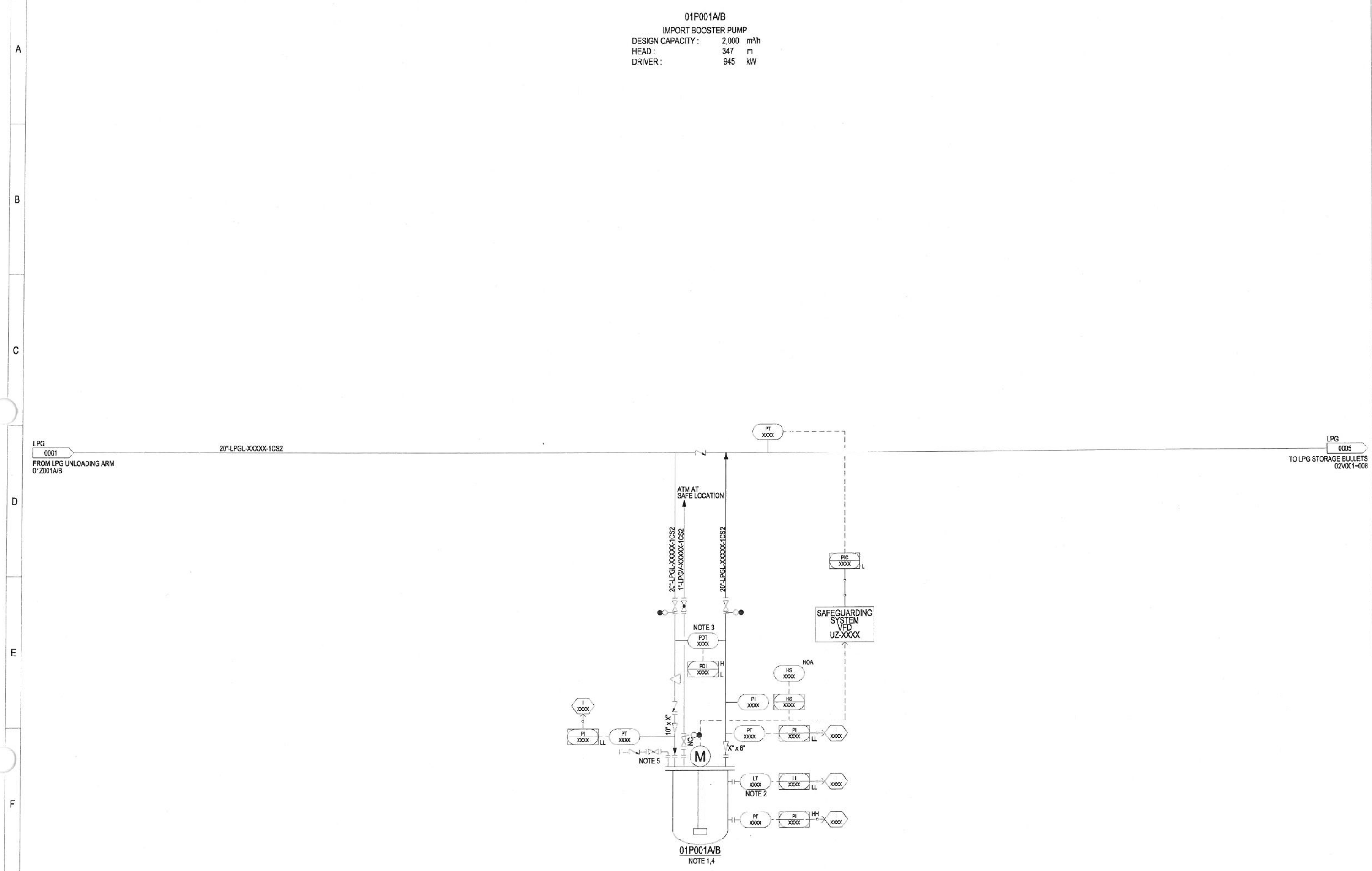
Rev. No. A

Sheet No.

STD. DWG. No.

DWG. No. 002

ISO A1



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING

NOTES:

1) PUMP RUNNING STATUS SHALL BE AVAILABLE IN LPG CONTROL ROOM.
2) LPG PUMPS SHALL HAVE DOUBLE MECHANICAL SEAL WITH LEVEL TRANSFER FITTED IN THE SEAL POT.
3) DIFFERENTIAL PRESSURE TRANSMITTER ACROSS THE PUMP TO INDICATE VAPOR LOCK.
4) START/STOP OF PUMPS TO BE PROVIDED IN BOTH FIELD AND CONTROL ROOM AND RUNNING INDICATION IN CONTROL ROOM.
5) COOLING WATER SUPPLY FOR PUMP SEAL POT.

Document-ID UT-PR-000-FB-0003

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Description: PIPING & INSTRUMENT FLOW DIAGRAM
LPG IMPORT BOOSTER PUMP

Project no. 05-96-14832
Unit
Acad File Name
Scale N/A
Drawn by: Date
Designed by: Date
Rev. No. A
Checked by: Date
Approved by: Date
Sheet No.

STD. DWG. No.
DWG. No. 0003

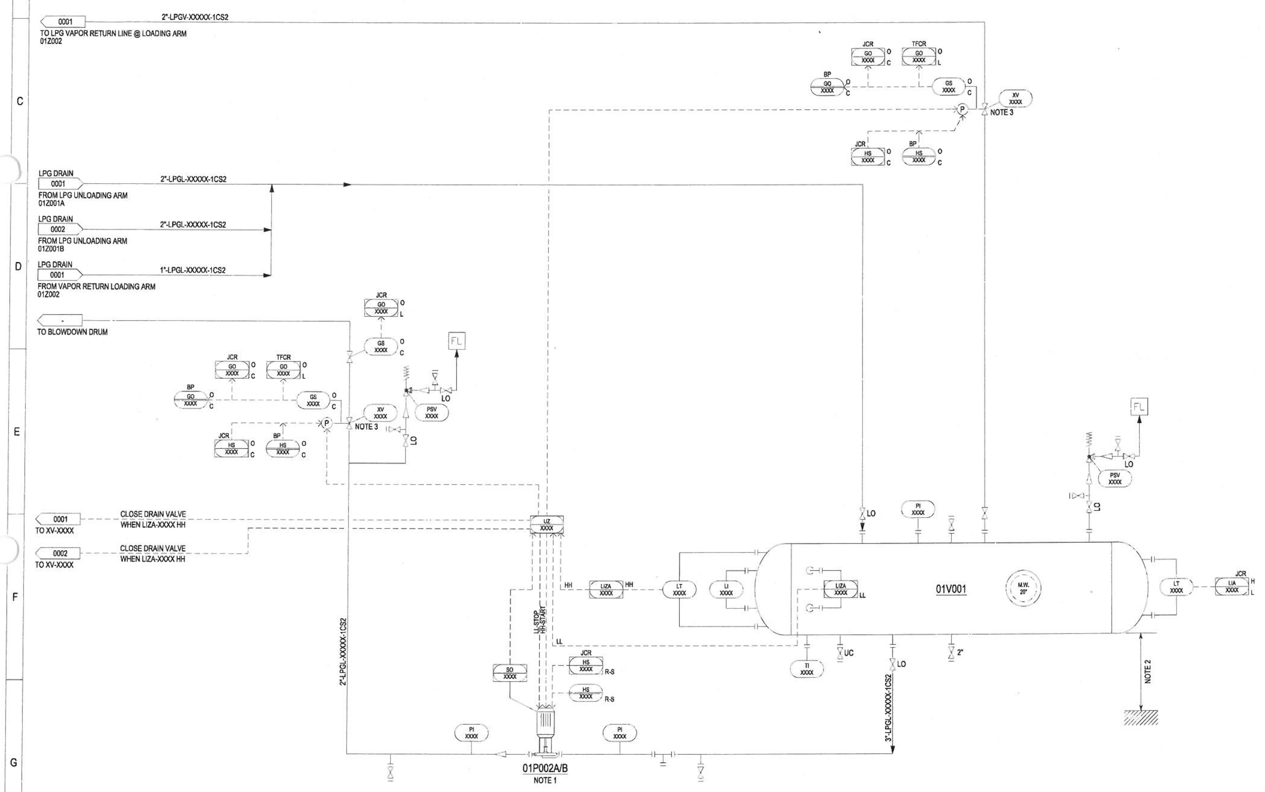
ISO A1

01V001
LPG DRAIN DRUM

SIZE :	1.05 m(ID) x 3.15 m(T/T)
DESIGN PRESSURE :	17 bar(g)
DESIGN TEMPERATURE :	-27 °C / 65 °C

01P002A/B
LPG DRAIN PUMP

DESIGN CAPACITY :	5 m³/h
HEAD :	104 m
DRIVER :	0.7 kW



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) DETAILED OF VENT AND DRAIN PUMPS TO BE FINALIZED DURING DETAILED ENGINEERING.
2) ELEVATION OF VESSEL TO BE CONFIRMED DURING DETAILED ENGINEERING.
3) VALVE OPENS WHEN PUMP 01P002A/B STARTS AND CLOSES WHEN PUMP STOPS.

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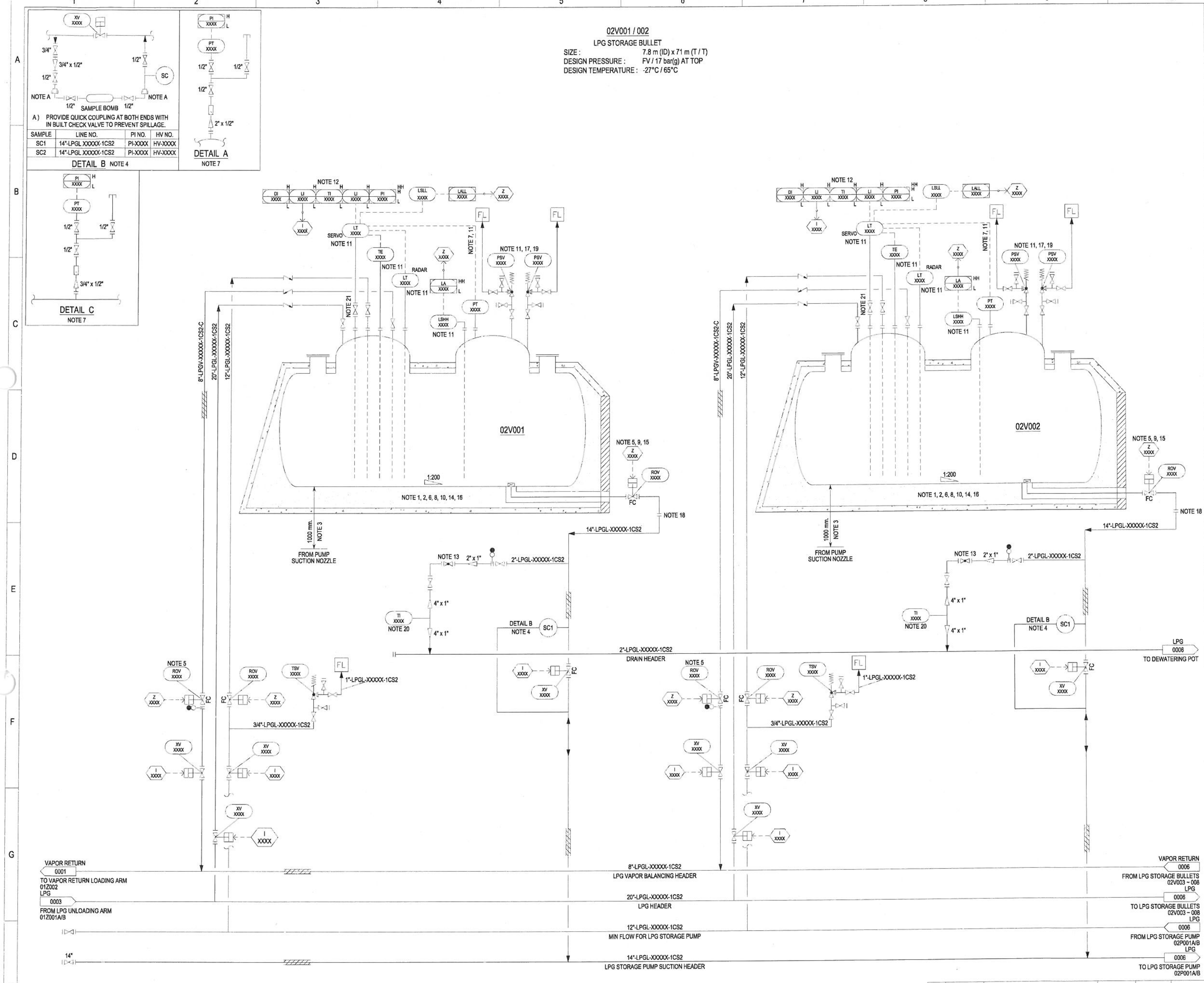
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Description	Project no. 05-96-14832	Unit
PIPING & INSTRUMENT FLOW DIAGRAM LPG DRAIN DRUM & PUMP	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
	Designed by: / Date	
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 0004	Approved by: / Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

ISO A1



A	10/04/13	INITIAL CONCEPT	WAH	SM	SM
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED

GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) ALL BULLETS ARE TO BE MOUNDED AND ACCUMULATION OF WATER OVER THE MOUND TO BE PREVENTED.
2) LPG MOUNDED BULLETS SHALL BE ENCLOSED IN A SINGLE MOUND WITH A MINIMUM INTER DISTANCE OF 2 METERS BETWEEN THE ADJACENT BULLETS.
3) ELEVATION OF THE BULLET SHALL BE ATLEAST 1.0 M FROM PUMP SUCTION NOZZLE.
4) REFER DETAIL "B" FOR SAMPLING ARRANGEMENT.
5) ROVs TO BE OUTSIDE THE ENCLOSURE WALL ALL. ROVs SHALL BE FIRE SAFE. FIRE PROOFING FOR PIPING SHALL BE PROVIDED UPTO ROVs FROM INLET/OUTLET BULLET NOZZLE.
6) WATER SPRINKLER ARRANGEMENT TO BE PROVIDED FOR BULLET SAFETY FITTINGS ON TOP EXPOSED DOMES & PUMPS.
7) REFFR DETAIL-A FOR PI/PT PROCESS CONNECTION FOR EQUIPMENTS & DETAIL-C FOR OTHER PI/PT PROCESS CONNECTIONS.
8) THE SURFACE OF THE MOUNDED BULLETS SHALL BE SUITABLY TREATED TO PROTECT THEM FROM CORROSION.
9) ALL MANIFOLD VALVES, ACTUATED VALVES AND FIRE SAFE ROVs TO BE OPERABLE FROM GRADE / PLATFORM.
10) ALL INSTRUMENT LOCAL INDICATION PROVIDED ON BULLET SHALL BE READABLE FROM GRADE LOCAL LEVEL INDICATION TO SHOW TEMPERATURE ALSO.
11) THESE INSTRUMENT SHALL BE SUPPLIED BY THE BULLET VENDOR.
12) MULTIPOINT AVERAGE TEMPERATURE SENSOR INPUT INTEGRATED TO THE SERVO LEVEL INSTRUMENTS.
13) 1" GLOBE VALVE TO BE ANTI FREEZE TYPE AND DRAIN IS TO BE TAKEN FROM BOTTOM OF THE PIPE.
14) TOP NOZZLES OF ALL THE BULLETS SHALL BE APPROACHABLE FROM TOP PLATFORM.
15) AS LIQUID INLET / OUTLET IS FROM THE BOTTOM OF THE BULLET, THE MIN. DISTANCE OF 3 M. FROM THE BULLET TO ROV SHALL BE MAINTAINED.
16) CATHODIC PROTECTION FOR BULLETS SHALL BE AS PER CODE.
17) SAFETY VALVE AND OTHER DISCHARGES SHALL BE CONNECTED TO FLARE.
18) DROP OUT SPOOL PIECE FOR BULLET ISOLATION DURING MAINTENANCE.
19) MULTIPORT TYPE PSVs (CONSISTING OF 4 PORTS) SHALL BE SUPPLIED BY THE BULLET VENDOR.
20) TI TO BE VISIBLE FROM GLOBE VALVE.
21) SERVO LEVEL TRANSMITTER COMPLETE WITH INSPECTION CHAMBER AND ISOLATION VALVE SHALL BE IN VENDOR'S SCOPE.

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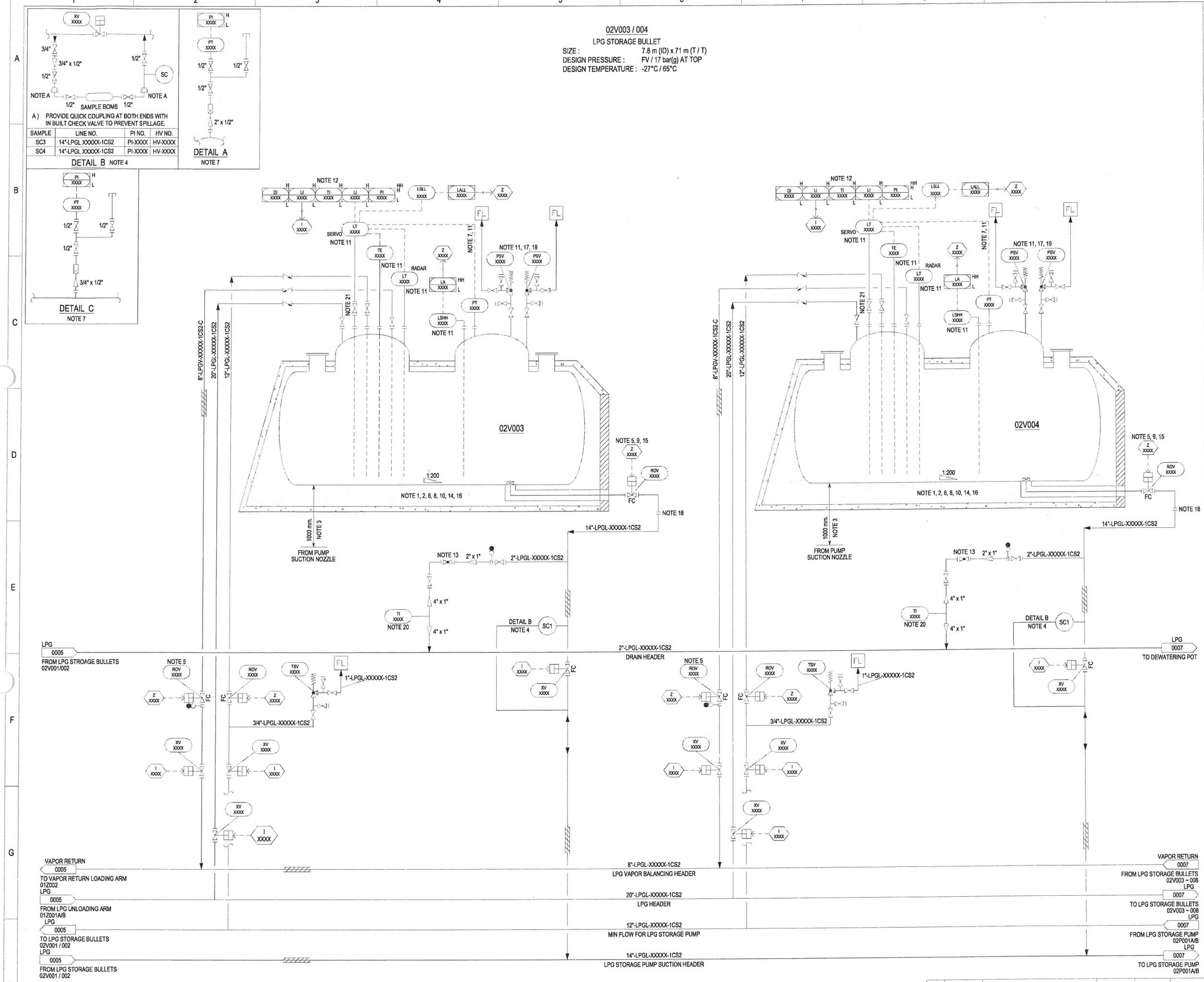
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Description: PIPING & INSTRUMENT FLOW DIAGRAM LPG STORAGE BULLETS

Project no. 05-96-14832
Acad File Name
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date
Unit
Scale N/A
Rev. No. A
Sheet No.

STD. DWG. No.
DWG. No. 0005

ISO A1



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) ALL BULLETS ARE TO BE MOUNDED AND ACCUMULATION OF WATER OVER THE MOUND TO BE PREVENTED.
2) LPG MOUNDED BULLETS SHALL BE ENCLOSED IN A SINGLE MOUND WITH A MINIMUM INTER DISTANCE OF 2 METERS BETWEEN THE ADJACENT BULLETS.
3) ELEVATION OF THE BULLET SHALL BE ATLEAST 1.0 M FROM PUMP SUCTION NOZZLE.
4) REFER DETAIL "B" FOR SAMPLING ARRANGEMENT.
5) ROVs TO BE OUTSIDE THE ENCLOSURE WALL ALL. ROVs SHALL BE FIRE SAFE. FIRE PROOFING FOR PIPING SHALL BE PROVIDED UPTO ROVs FROM INLET/OUTLET BULLET NOZZLE.
6) WATER SPRINKLER ARRANGEMENT TO BE PROVIDED FOR BULLET SAFETY FITTINGS ON TOP EXPOSED DOMES & PUMPS.
7) REFFR DETAIL-A FOR PI/PT PROCESS CONNECTION FOR EQUIPMENTS & DETAIL-C FOR OTHER PI/PT PROCESS CONNECTIONS.
8) THE SURFACE OF THE MOUNDED BULLETS SHALL BE SUITABLY TREATED TO PROTECT THEM FROM CORROSION.
9) ALL MANIFOLD VALVES, ACTUATED VALVES AND FIRE SAFE ROVs TO BE OPERABLE FROM GRADE / PLATFORM.
10) ALL INSTRUMENT LOCAL INDICATION PROVIDED ON BULLET SHALL BE READABLE FROM GRADE LOCAL LEVEL INDICATION TO SHOW TEMPERATURE ALSO.
11) THESE INSTRUMENT SHALL BE SUPPLIED BY THE BULLET VENDOR.
12) MULTIPOINT AVERAGE TEMPERATURE SENSOR INPUT INTEGRATED TO THE SERVO LEVEL INSTRUMENTS.
13) 1" GLOBE VALVE TO BE ANTI FREEZE TYPE AND DRAIN IS TO BE TAKEN FROM BOTTOM OF THE PIPE.
14) TOP NOZZLES OF ALL THE BULLETS SHALL BE APPROACHABLE FROM TOP PLATFORM.
15) AS LIQUID INLET / OUTLET IS FROM THE BOTTOM OF THE BULLET, THE MIN. DISTANCE OF 3 M. FROM THE BULLET TO ROV SHALL BE MAINTAINED.
16) CATHODIC PROTECTION FOR BULLETS SHALL BE AS PER CODE.
17) SAFETY VALVE AND OTHER DISCHARGES SHALL BE CONNECTED TO FLARE.
18) DROP OUT SPOOL PIECE FOR BULLET ISOLATION DURING MAINTENANCE.
19) MULTIPORT TYPE PSVs (CONSISTING OF 4 PORTS) SHALL BE SUPPLIED BY THE BULLET VENDOR.
20) TI TO BE VISIBLE FROM GLOBE VALVE.
21) SERVO LEVEL TRANSMITTER COMPLETE WITH INSPECTION CHAMBER AND ISOLATION VALVE SHALL BE IN VENDOR'S SCOPE.

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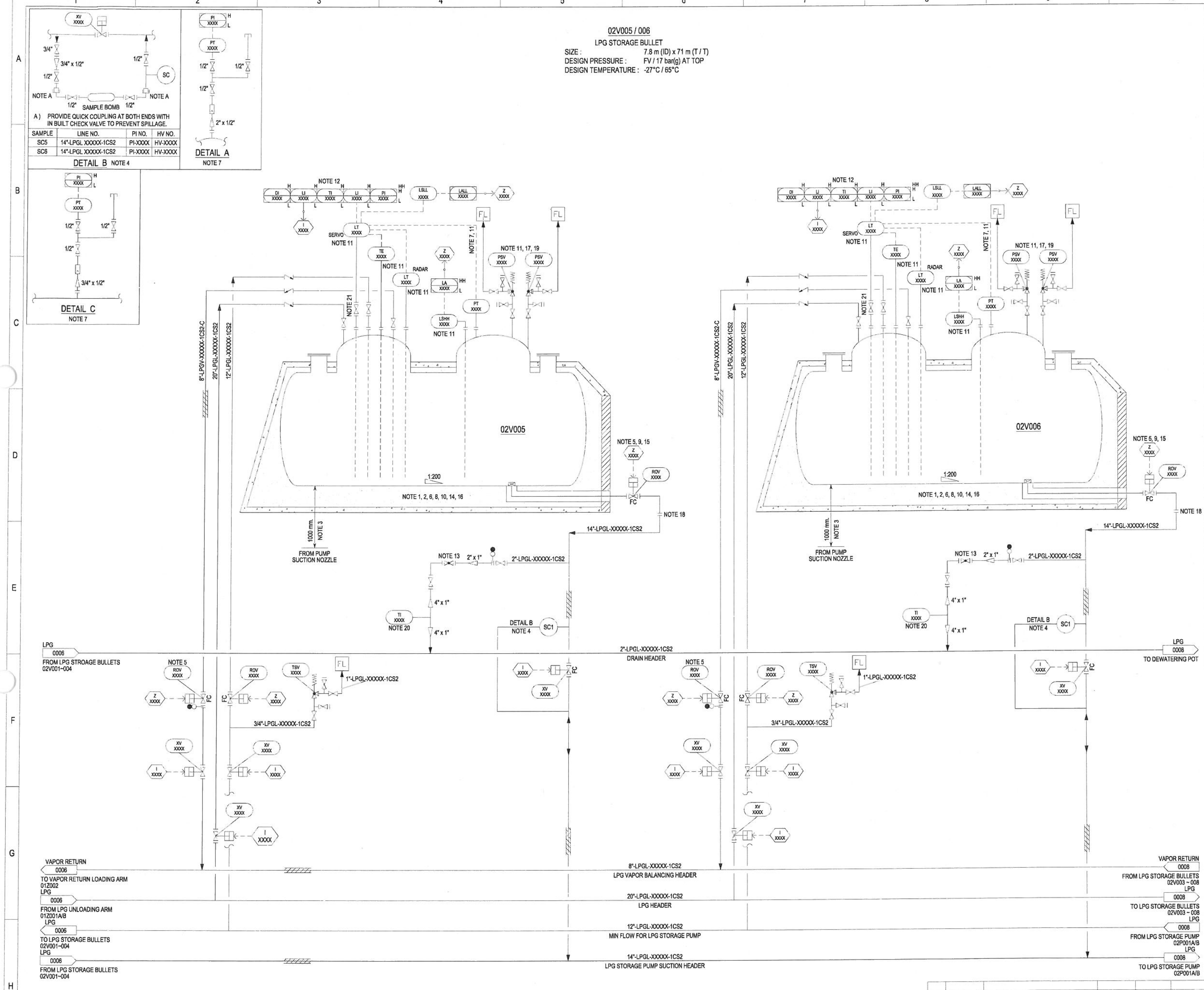
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Description	Project no. 05-96-14832	Unit
PIPING & INSTRUMENT FLOW DIAGRAM LPG STORAGE BULLETS	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
	Designed by: / Date	
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 0006	Approved by: / Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

ISO A1



SAMPLE	LINE NO.	PI NO.	HV NO.
SC5	14"-LPGL XXXXX-1CS2	PI-XXXX	HV-XXXX
SC6	14"-LPGL XXXXX-1CS2	PI-XXXX	HV-XXXX

GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) ALL BULLETS ARE TO BE MOUNDED AND ACCUMULATION OF WATER OVER THE MOUND TO BE PREVENTED.
2) LPG MOUNDED BULLETS SHALL BE ENCLOSED IN A SINGLE MOUND WITH A MINIMUM INTER DISTANCE OF 2 METERS BETWEEN THE ADJACENT BULLETS.
3) ELEVATION OF THE BULLET SHALL BE ATLEAST 1.0 M FROM PUMP SUCTION NOZZLE.
4) REFER DETAIL "B" FOR SAMPLING ARRANGEMENT.
5) ROVs TO BE OUTSIDE THE ENCLOSURE WALL ALL. ROVs SHALL BE FIRE SAFE. FIRE PROOFING FOR PIPING SHALL BE PROVIDED UPTO ROVs FROM INLET/OUTLET BULLET NOZZLE.
6) WATER SPRINKLER ARRANGEMENT TO BE PROVIDED FOR BULLET SAFETY FITTINGS ON TOP EXPOSED DOMES & PUMPS.
7) REFFR DETAIL-A FOR PI/PT PROCESS CONNECTION FOR EQUIPMENTS & DETAIL-C FOR OTHER PI/PT PROCESS CONNECTIONS.
8) THE SURFACE OF THE MOUNDED BULLETS SHALL BE SUITABLY TREATED TO PROTECT THEM FROM CORROSION.
9) ALL MANIFOLD VALVES, ACTUATED VALVES AND FIRE SAFE ROVs TO BE OPERABLE FROM GRADE / PLATFORM.
10) ALL INSTRUMENT LOCAL INDICATION PROVIDED ON BULLET SHALL BE READABLE FROM GRADE LOCAL LEVEL INDICATION TO SHOW TEMPERATURE ALSO.
11) THESE INSTRUMENT SHALL BE SUPPLIED BY THE BULLET VENDOR.
12) MULTIPOINT AVERAGE TEMPERATURE SENSOR INPUT INTEGRATED TO THE SERVO LEVEL INSTRUMENTS.
13) 1" GLOBE VALVE TO BE ANTI FREEZE TYPE AND DRAIN IS TO BE TAKEN FROM BOTTOM OF THE PIPE.
14) TOP NOZZLES OF ALL THE BULLETS SHALL BE APPROACHABLE FROM TOP PLATFORM.
15) AS LIQUID INLET / OUTLET IS FROM THE BOTTOM OF THE BULLET, THE MIN. DISTANCE OF 3 M. FROM THE BULLET TO ROV SHALL BE MAINTAINED.
16) CATHODIC PROTECTION FOR BULLETS SHALL BE AS PER CODE.
17) SAFETY VALVE AND OTHER DISCHARGES SHALL BE CONNECTED TO FLARE.
18) DROP OUT SPOOL PIECE FOR BULLET ISOLATION DURING MAINTENANCE.
19) MULTIPORT TYPE PSVs (CONSISTING OF 4 PORTS) SHALL BE SUPPLIED BY THE BULLET VENDOR.
20) TI TO BE VISIBLE FROM GLOBE VALVE.
21) SERVO LEVEL TRANSMITTER COMPLETE WITH INSPECTION CHAMBER AND ISOLATION VALVE SHALL BE IN VENDOR'S SCOPE.

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Description: PIPING & INSTRUMENT FLOW DIAGRAM LPG STORAGE BULLETS

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Rev. No. A

Sheet No

Drawn by: Date

Designed by: Date

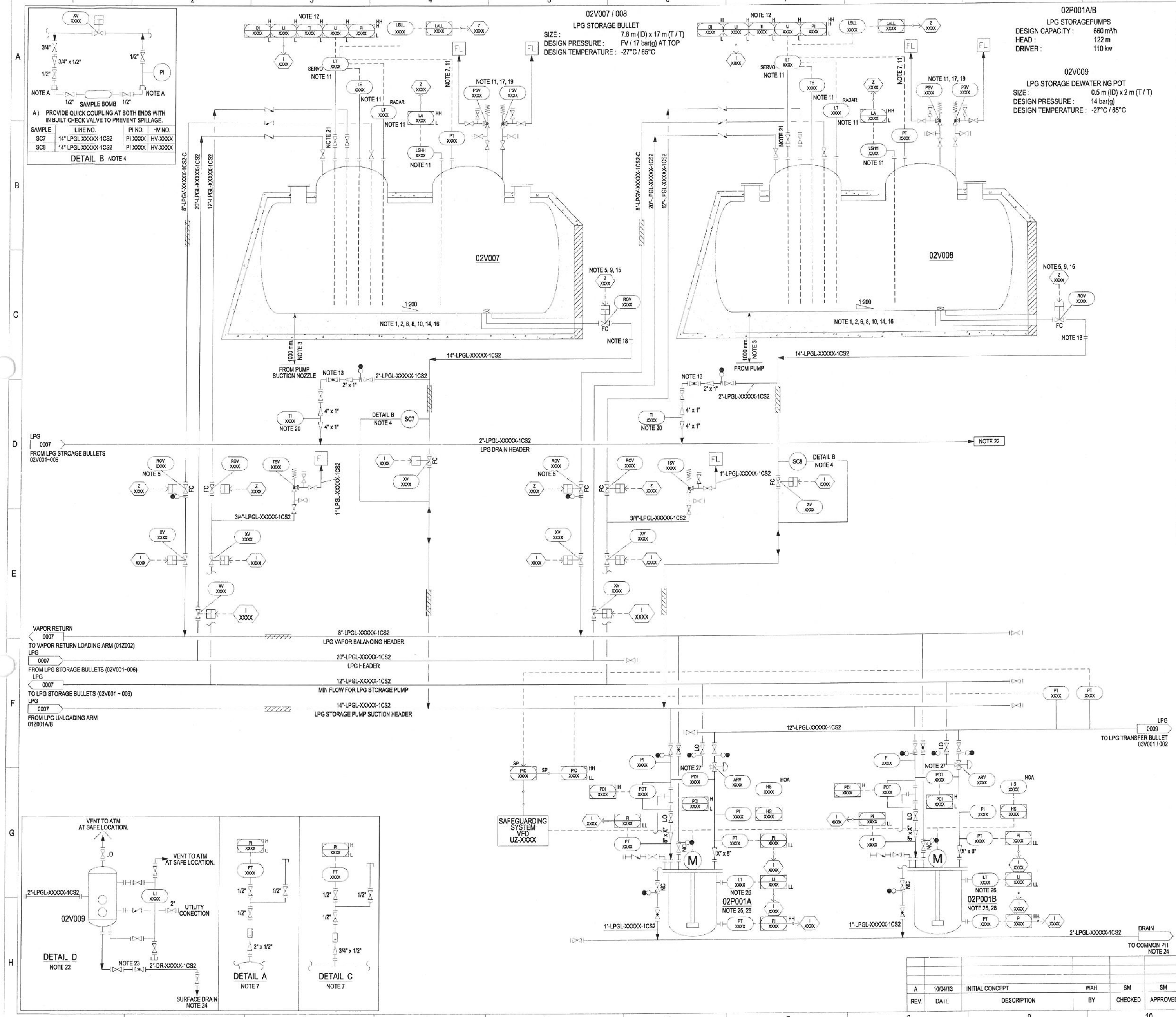
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STD. DWG. No.

DWG. No. 0007

ISO A1



A	10/04/13	INITIAL CONCEPT	WAH	SM	SM
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED

GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) ALL BULLETS ARE TO BE MOUNDED AND ACCUMULATION OF WATER OVER THE MOUND TO BE PREVENTED.
2) LPG MOUNDED BULLETS SHALL BE ENCLOSED IN A SINGLE MOUND WITH A MINIMUM INTER DISTANCE OF 2 METERS BETWEEN THE ADJACENT BULLETS.
3) ELEVATION OF THE BULLET SHALL BE ATLEAST 1.0 M FROM PUMP SUCTION NOZZLE.
4) REFER DETAIL-B FOR SAMPLING ARRANGEMENT.
5) ROVs TO BE OUTSIDE THE ENCLOSURE WALL. ALL ROVs SHALL BE FIRE SAFE. FIRE PROOFING FOR PIPING SHALL BE PROVIDED UPTO ROVs FROM INLET/OUTLET BULLET NOZZLE.
6) WATER SPRINKLER ARRANGEMENT TO BE PROVIDED FOR BULLET SAFETY FITTINGS ON TOP EXPOSED DOMES & PUMPS.
7) REFFR DETAIL-A FOR PI/PT PROCESS CONNECTION FOR EQUIPMENTS & DETAIL-C FOR OTHER PI/PT PROCESS CONNECTIONS.
8) THE SURFACE OF THE MOUNDED BULLETS SHALL BE SUITABLY TREATED TO PROTECT THEM FROM CORROSION.
9) ALL MANIFOLD VALVES, ACTUATED VALVES AND FIRE SAFE ROVs TO BE OPERABLE FROM GRADE / PLATFORM.
10) ALL INSTRUMENT LOCAL INDICATION PROVIDED ON BULLET SHALL BE READABLE FROM GRADE LOCAL LEVEL INDICATION TO SHOW TEMPERATURE ALSO.
11) THESE INSTRUMENT SHALL BE SUPPLIED BY THE BULLET VENDOR.
12) MULTIPOINT AVERAGE TEMPERATURE SENSOR INPUT INTEGRATED TO THE SERVO LEVEL INSTRUMENTS.
13) 1" GLOBE VALVE TO BE ANTI FREEZE TYPE AND DRAIN IS TO BE TAKEN FROM BOTTOM OF THE PIPE.
14) TOP NOZZLES OF ALL THE BULLETS SHALL BE APPROACHABLE FROM TOP PLATFORM.
15) AS LIQUID INLET / OUTLET IS FROM THE BOTTOM OF THE BULLET, THE MIN. DISTANCE OF 3 M. FROM THE BULLET TO ROV SHALL BE MAINTAINED.
16) CATHODIC PROTECTION FOR BULLETS SHALL BE AS PER CODE.
17) SAFETY VALVE AND OTHER VENT DISCHARGES SHALL BE CONNECTED TO FLARE.
18) DROP OUT SPOOL PIECE FOR BULLET ISOLATION DURING MAINTENANCE.
19) MULTIPORT TYPE PSVs (CONSISTING OF 4 PORTS) SHALL BE SUPPLIED BY THE BULLET VENDOR.
20) TI TO BE VISIBLE FROM GLOBE VALVE.
21) SERVO LEVEL TRANSMITTER COMPLETE WITH INSPECTION CHAMBER AND ISOLATION VALVE SHALL BE IN VENDOR'S SCOPE.
22) WATER DRAINING LINE SHALL BE ROUTED TO DEWATERING POT (REFER DETAIL "D") WHICH SHALL BE LOCATED AT A MINIMUM DISTANCE OF 20 M. FROM THE DRAIN VALVE.
23) GLOBE VALVE SHALL BE ANTI FREEZE TYPE.
24) DRAIN TO COMMON PIT SHALL BE THROUGH A VAPOR SEAL ARRANGEMENT.
25) PUMP RUNNING STATUS SHALL BE AVAILABLE IN LPG CONTROL ROOM.
26) LPG PUMPS SHALL HAVE DOUBLE MECHANICAL SEAL WITH LEVEL TRANSMITTER FITTED IN THE SEAL POT.
27) DIFFERENTIAL PRESSURE TRANSMITTER ACROSS THE PUMP TO INDUCE VAPOUR LOCK.
28) START/STOP OF PUMPS TO BE PROVIDED IN BOTH FIELD AND CONTROL ROOM AND RUNNING INDICATION IN CONTROL ROOM.
29) ROVs SHALL BE PROVIDED ON DISCHARGE LINES WHICH SHALL BE LINKED WITH FIRE ALARM SYSTEM.
30) AUTO RECIRCULATION VALVE (WITH INTEGRAL NRV) AND SEAL SYSTEM COMPLETE WITH INSTRUMENTATION AND PIPING SHALL BE IN THE PUMP VENDOR'S SCOPE.
31) COOLING WATER SUPPLY FOR PUMP SEAL POT.

Document-ID UT-PR-000-FB-0008

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Description

PIPING & INSTRUMENT FLOW DIAGRAM
LPG STORAGE BULLETS AND PUMP

STD. DWG. No.

DWG. No. 0008

Project no. 05-96-14832

Acad File Name

Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date

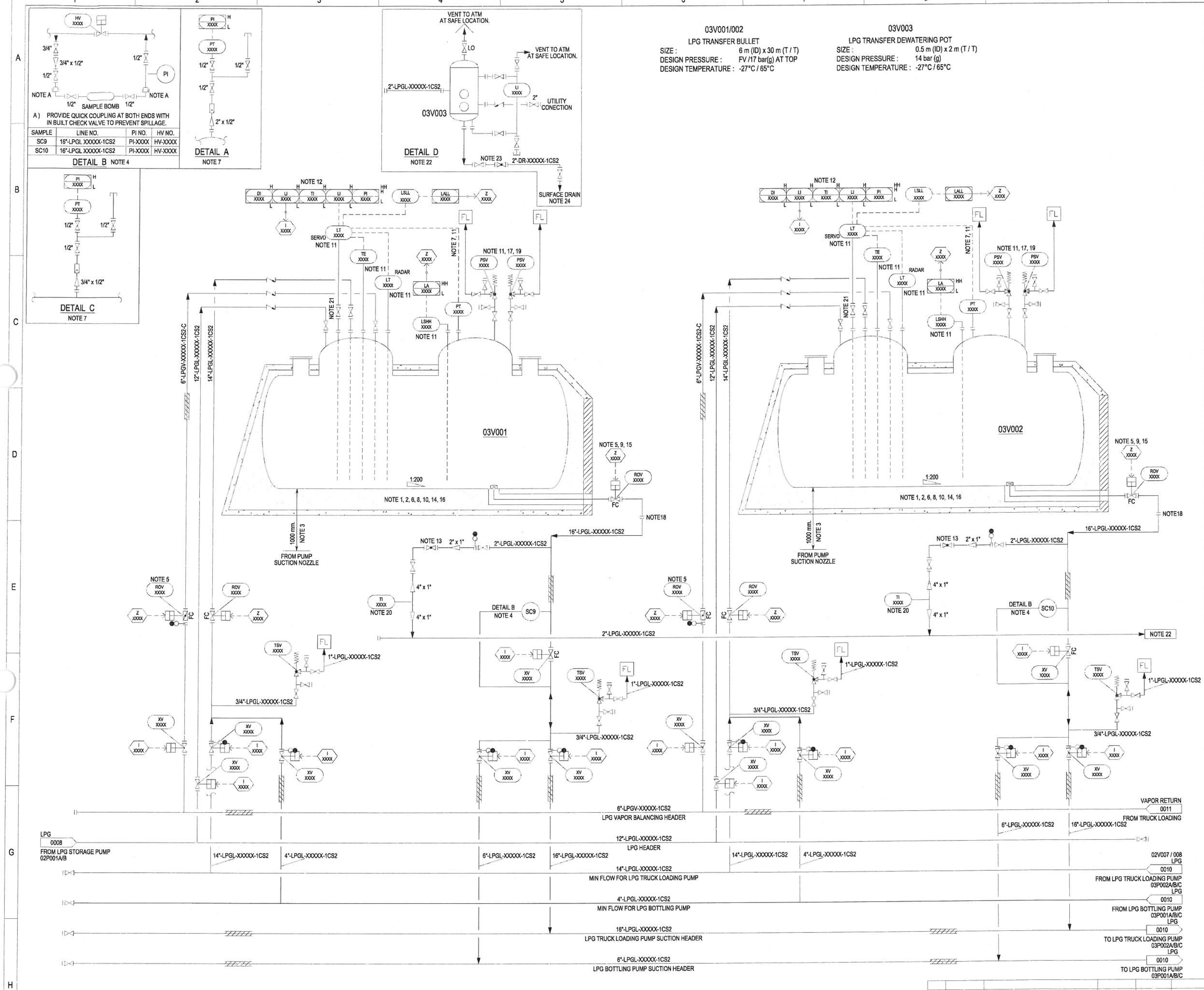
Unit

Scale N/A

Rev. No. A

Sheet No.

ISO A1



Sample	Line No.	PI No.	HV No.
SC9	15"-LPGL XXXXX-1CS2	PI-XXXX	HV-XXXX
SC10	16"-LPGL XXXXX-1CS2	PI-XXXX	HV-XXXX

03V001/002
LPG TRANSFER BULLET
SIZE : 6 m (ID) x 30 m (T / T)
DESIGN PRESSURE : FV /17 bar(g) AT TOP
DESIGN TEMPERATURE : -27°C / 65°C

03V003
LPG TRANSFER DEWATERING POT
SIZE : 0.5 m (ID) x 2 m (T / T)
DESIGN PRESSURE : 14 bar (g)
DESIGN TEMPERATURE : -27°C / 65°C

GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) ALL BULLETS ARE TO BE MOUNDED AND ACCUMULATION OF WATER OVER THE MOUND TO BE PREVENTED.
2) LPG MOUNDED BULLETS SHALL BE ENCLOSED IN A SINGLE MOUND WITH A MINIMUM INTER DISTANCE OF 2 METERS BETWEEN THE ADJACENT BULLETS.
3) ELEVATION OF THE BULLET SHALL BE ATLEAST 1.0 M FROM PUMP SUCTION NOZZLE.
4) REFER DETAIL "B" FOR SAMPLING ARRANGEMENT.
5) ROVs TO BE OUTSIDE THE ENCLOSURE WALL. ALL ROVs SHALL BE FIRE SAFE. FIRE PROOFING FOR PIPING SHALL BE PROVIDED UPTO ROVs FROM INLET/OUTLET BULLET NOZZLE.
6) WATER SPRINKLER ARRANGEMENT TO BE PROVIDED FOR BULLET SAFETY FITTINGS ON TOP EXPOSED DOMES & PUMPS.
7) REFFR DETAIL-A FOR PI/PT PROCESS CONNECTION FOR EQUIPMENTS & DETAIL-C FOR OTHER PI/PT PROCESS CONNECTIONS.
8) THE SURFACE OF THE MOUNDED BULLETS SHALL BE SUITABLY TREATED TO PROTECT THEM FROM CORROSION.
9) ALL MANIFOLD VALVES, ACTUATED VALVES AND FIRE SAFE ROVs TO BE OPERABLE FROM GRADE / PLATFORM.
10) ALL INSTRUMENT LOCAL INDICATION PROVIDED ON BULLET SHALL BE READABLE FROM GRADE LOCAL LEVEL INDICATION TO SHOW TEMPERATURE ALSO.
11) THESE INSTRUMENT SHALL BE SUPPLIED BY THE BULLET VENDOR.
12) MULTIPOINT AVERAGE TEMPERATURE SENSOR INPUT INTEGRATED TO THE SERVO LEVEL INSTRUMENTS.
13) 1" GLOBE VALVE TO BE ANTI FREEZE TYPE AND DRAIN IS TO BE TAKEN FROM BOTTOM OF THE PIPE.
14) TOP NOZZLES OF ALL THE BULLETS SHALL BE APPROACHABLE FROM TOP PLATFORM.
15) AS LIQUID INLET / OUTLET IS FROM THE BOTTOM OF THE BULLET, THE MIN. DISTANCE OF 3 M. FROM THE BULLET TO ROV SHALL BE MAINTAINED.
16) CATHODIC PROTECTION FOR BULLETS SHALL BE AS PER CODE.
17) SAFETY VALVE AND OTHER DISCHARGES SHALL BE CONNECTED TO FLARE.
18) DROP OUT SPOOL PIECE FOR BULLET ISOLATION DURING MAINTENANCE.
19) MULTIPORT TYPE PSVs (CONSISTING OF 4 PORTS) SHALL BE SUPPLIED BY THE BULLET VENDOR.
20) TI TO BE VISIBLE FROM GLOBE VALVE.
21) SERVO LEVEL TRANSMITTER COMPLETE WITH INSPECTION CHAMBER AND ISOLATION VALVE SHALL BE IN VENDOR'S SCOPE.
22) WATER DRAINING LINE SHALL BE ROUTED TO DEWATERING POT (REFER DETAIL "D") WHICH SHALL BE LOCATED AT A MINIMUM DISTANCE OF 20 M. FROM THE DRAIN VALVE.
23) GLOBE VALVE SHALL BE ANTI FREEZE TYPE.
24) DRAIN TO COMMON PIT SHALL BE THROUGH A VAPOR SEAL ARRANGEMENT.

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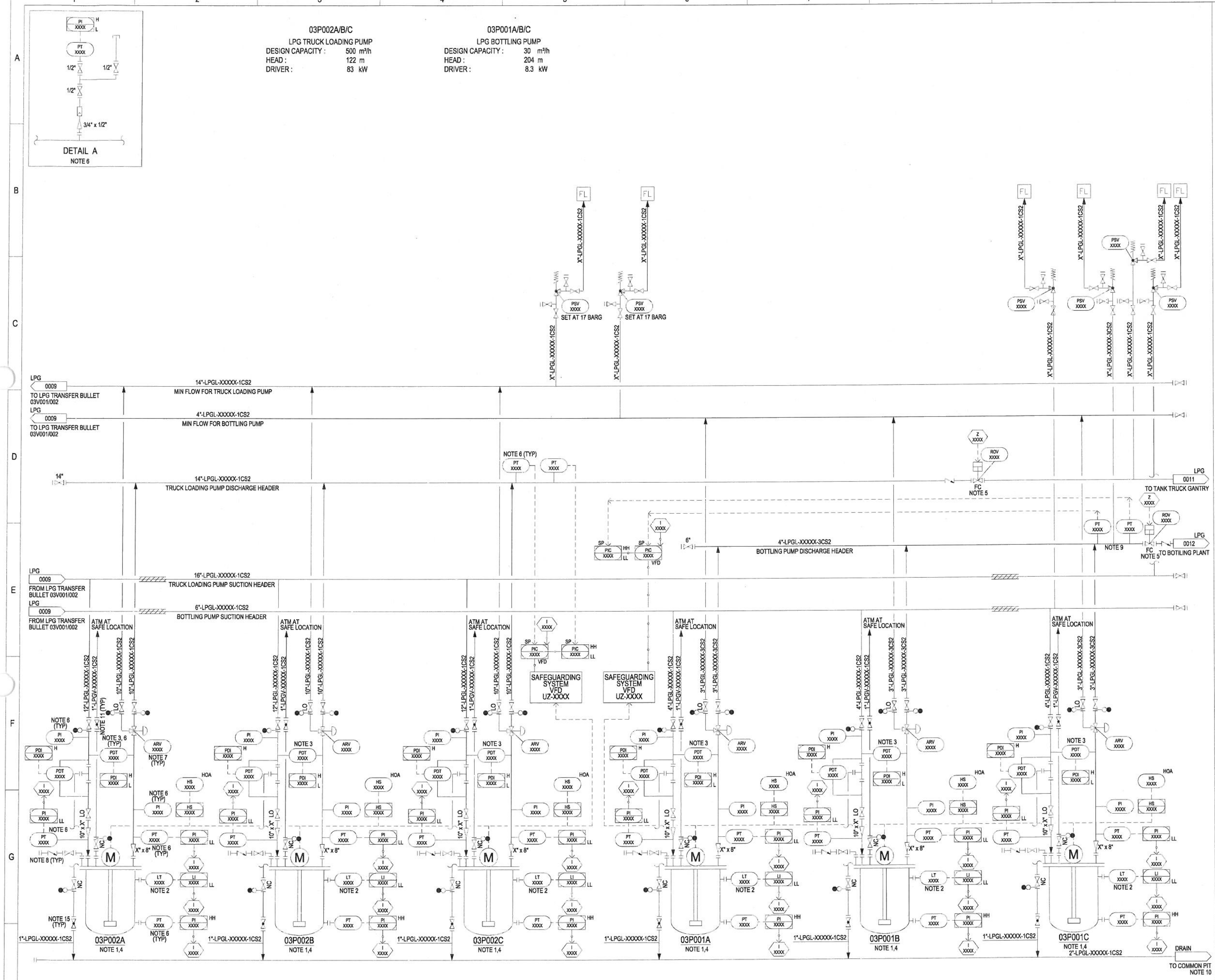
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Description: PIPING & INSTRUMENT FLOW DIAGRAM LPG TRANSFER BULLETS

Project no. 05-96-14832
Acad File Name
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date
Unit
Scale N/A
Rev. No. A
Sheet No.

STD. DWG. No.
DWG. No. 0009

ISO A1



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) PUMP RUNNING STATUS SHALL BE AVAILABLE IN LPG CONTROL ROOM.
2) LPG PUMPS SHALL HAVE DOUBLE MECHANICAL SEAL WITH LEVEL TRANSFER FITTED IN THE SEAL POT.
3) DIFFERENTIAL PRESSURE TRANSMITTER ACROSS THE PUMP TO INDICATE VAPOR LOCK.
4) START/STOP OF PUMPS TO BE PROVIDED IN BOTH FIELD AND CONTROL ROOM AND RUNNING INDICATION IN CONTROL ROOM.
5) ROVs SHALL BE PROVIDED ON DISCHARGE LINES WHICH SHALL BE LINKED WITH FIRE ALARM SYSTEM.
6) REFFR DETAIL "A" FOR TYPICAL PI/PT PROCESS CONNECTION.
7) AUTO RECIRCULATION VALVE (WITH INTEGRAL NRV) AND SEAL SYSTEM COMPLETE WITH INSTRUMENTATION AND PIPING SHALL BE IN THE PUMP VENDOR'S SCOPE.
8) COOLING WATER SUPPLY FOR PUMP SEAL POT.
9) THE PRESSURE TRANSMITTERS SHALL BE LOCATED ON THE BOTTLING HEADER NEAR THE CAROUSEL FILLING POINT.
10) DRAIN TO COMMON PIT SHALL BE THROUGH A VAPOUR SEAL.
11) GLOBE VALVE SHALL BE ANTI-FREEZE TYPE.

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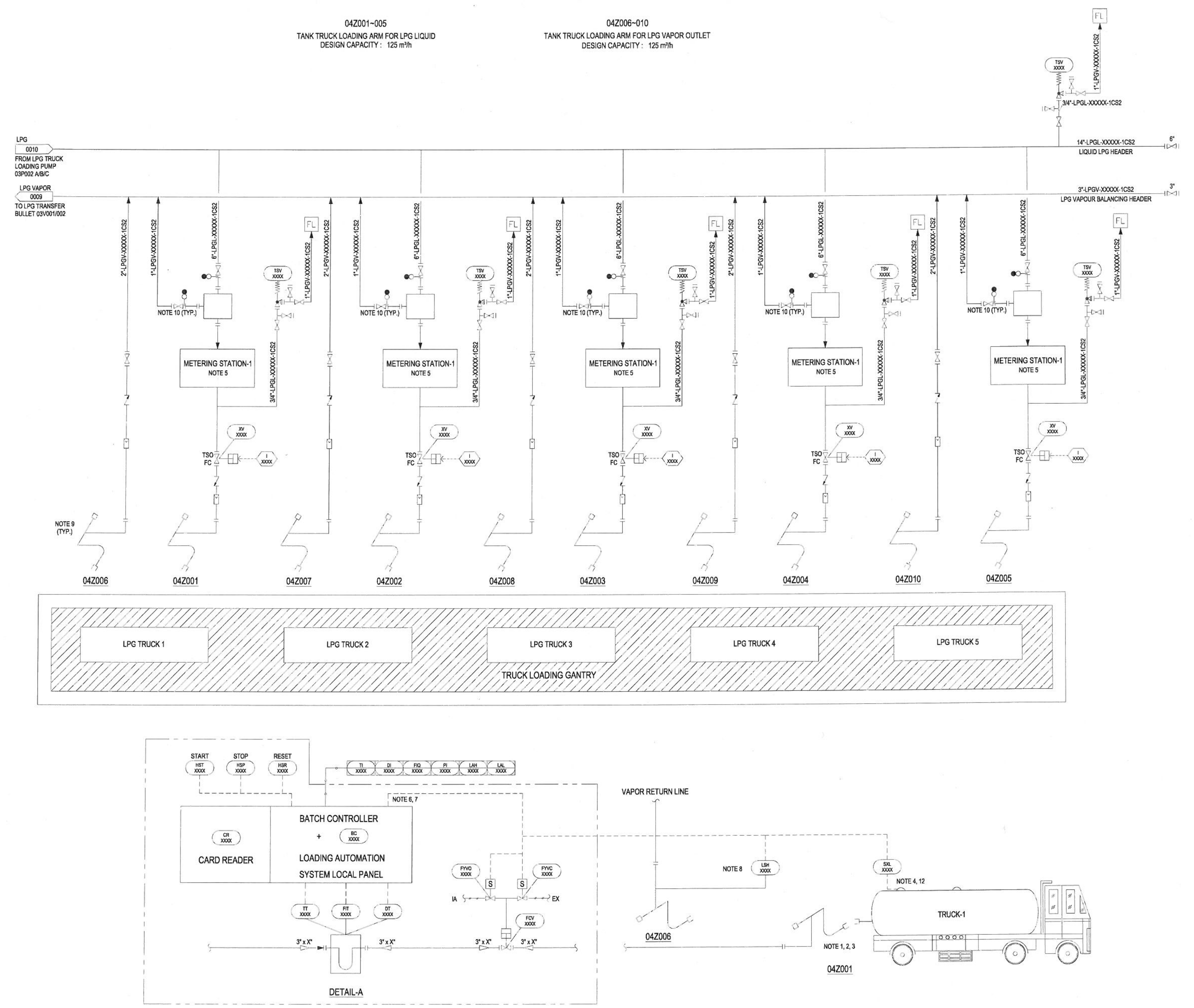
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Description: PIPING & INSTRUMENT FLOW DIAGRAM LPG LOADING PUMPS	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: Date	Rev. No. A
STD. DWG. No.	Designed by: Date	
	Checked by: Date	Sheet No.
DWG. No. 0010	Approved by: Date	

ISO A1

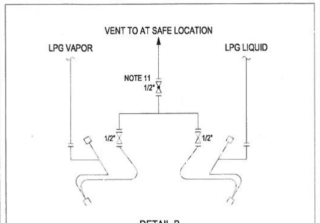


GENERAL NOTES:

1) PRELIMINARY LINE SIZE TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

1) EACH TANK TRUCK SHALL HAVE 1 SET OF LOADING ARM, CONTAINING ONE LIQUID LOADING ARM AND ONE VAPOR LOADING ARM RESPECTIVELY.
2) BOTTOM LOADING ARM SHALL BE CONSIDERED FOR TANK TRUCK LOADING.
3) LOADING ARM SHELL NOT BE CONNECTED TO TANK TRUCK, UNLESS THE TANK TRUCK IS ADEQUATELY EARTHED AND PHYSICALLY IMMOBILIZED.
4) FLEXIBLE EARTHING PROVISION FOR TRUCK,WITH NECESSARY INTERLOCK TO PREVENT LOADING IF TRUCK IS NOT GROUNDED.
5) REFER TO DETAIL " A " FOR METERING OF LPG LIQUID LOADING USING BATCH CONTROLLER FOR EACH TANK TRUCK.
6) BATCH CONTROLLER SHALL BE PROVIED WITH RAMPING FLOW CAPABILITY DURING TANK TRUCK LOADING PROCESS.
7) EACH LOADING BAY SHALL BE EQUIPPED WITH DEAD MAN TIMER SWITCH.
8) OVER FILL SWITCH TO BE INSTALLED ON VAPOR RETURN LINE.
9) VENT CONNECTIONS FROM EACH LIQUID & VAPOR LOADING ARM SHALL BE CONNECTED TOGETHER, TO BE VENTED OFF AT A SAFE LOCATION IN THE ATMOSPHERE. REFER DETAIL " B " FOR THE TYPICAL ARRANGEMENT FOR VENTING OF ONE SET OF LIQUID & VAPOR LOADING ARM.



DETAIL-B

10) VAPOR ELIMINATOR AT THE INLET OF EACH METERING STATION SHALL BE SUPPLIED BY THE INSTRUMENTATION VENDORS.
11) GLOVE VALVE SHALL BE ANTI-FREEZE TYPE.
12) TWO EARTHING POINTS PER TANK TRUCK SHALL BE PROVIED OUT OF WHICH ONE SHALL BE EARTHED THROUGH EARTHING RELAY AND OTHER DIRECTLY EATRHED.

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

Document-ID UT-PR-000-FB-0011

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Description: PIPING & INSTRUMENT FLOW DIAGRAM TANK TRUCK LOADING GANTRY

Project no. 05-96-14832		Unit
Acad File Name		Scale N/A
Drawn by:	Date	Rev. No. A
Designed by:	Date	
Checked by:	Date	Sheet No.
Approved by:	Date	

STD. DWG. No.

DWG. No. 0011

ISO A1

05PA001
BOTTLING PLANT PACKAGE



GENERAL NOTES:

1) PRELIMINARY LINE SIZE. TO BE CONFIRMED DURING DETAILED ENGINEERING.

NOTES:

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	WAH	SM	SM

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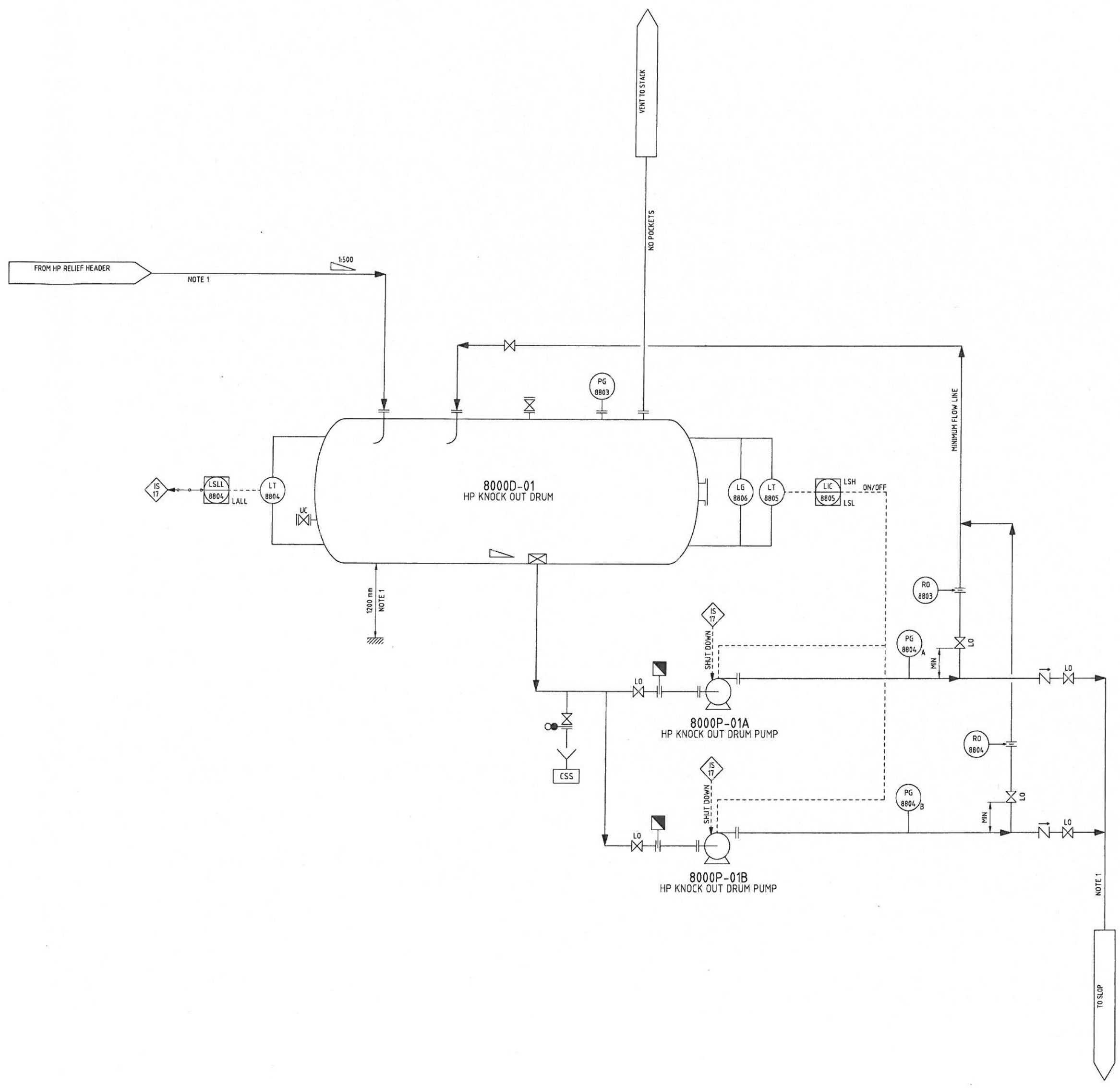
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Description PIPING & INSTRUMENT FLOW DIAGRAM BOTTLING PLANT	Project no. 05-96-14832 Acad File Name	Unit Scale N/A
STD. DWG. No.	Drawn by: Date Designed by: Date Checked by: Date	Rev. No. A
DWG. No. 0012	Approved by: Date	Sheet No.

ISO A1



NOTES:

1 - TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

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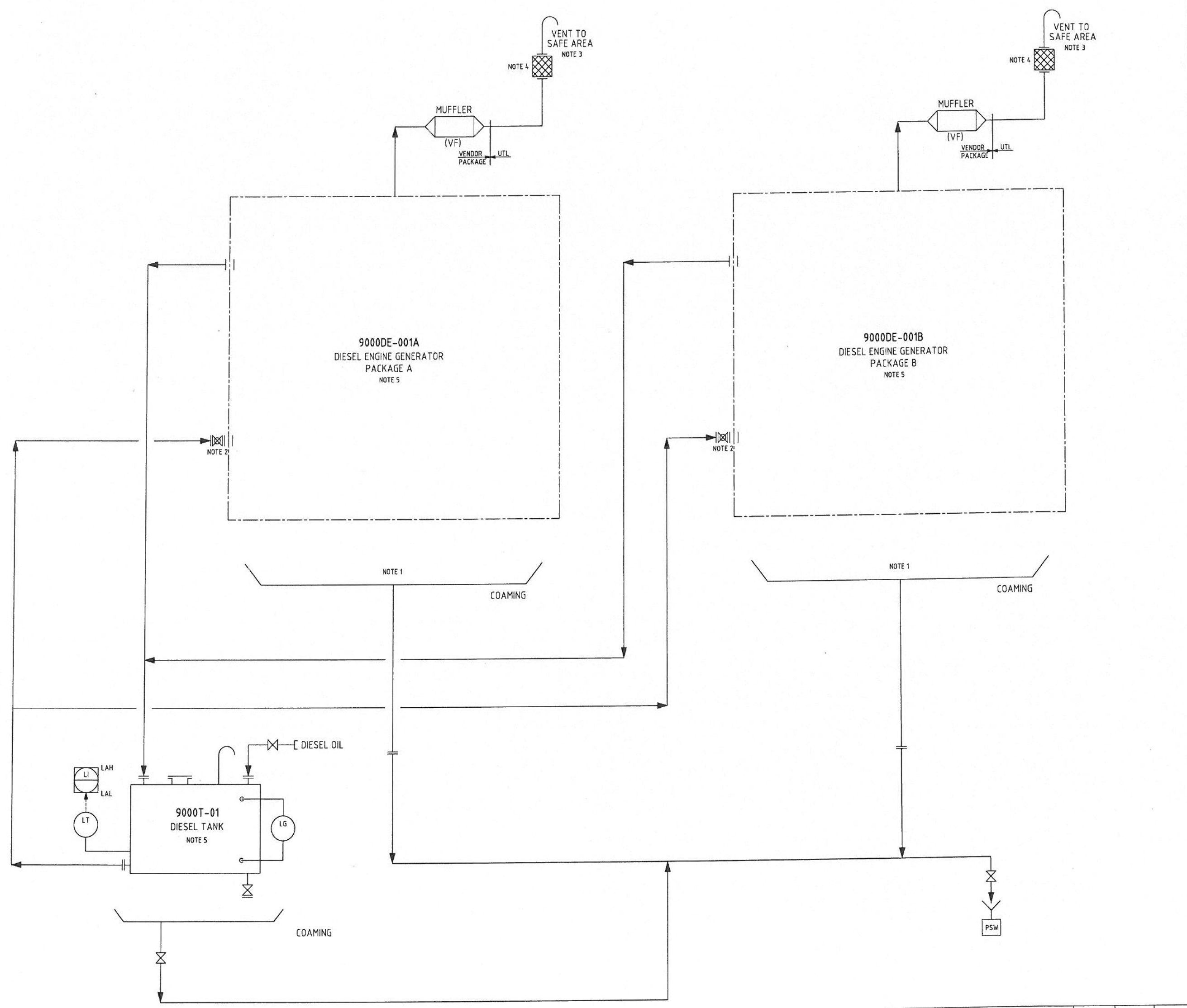
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CONFIDENTIAL

Description	U8000 - COLD VENT SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
Project no.	05-96-14832
Acad File Name	
Unit	
Scale	N/A
Drawn by:	Date
Designed by:	Date
Checked by:	Date
Approved by:	Date
Rev. No.	A
Sheet No.	
STD. DWG. No.	
DWG. No.	5PD-001

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:
1 - DRAIN LINE FROM DIESEL GENERATOR (HOLD).
2 - FILTERS WILL BE INSTALLED NEAR INLET FLANGE OF GENERATOR.
3 - VENT LOCATION AT LEAST 3.0 METERS FROM HAZARDOUS AREA CLASSIFICATION
4 - FLAME ARRESTOR TO BE INSTALLED.
5 - DIESEL ENGINE SUPPLY TO RAW WATER SYSTEM AND FIRE WATER SYSTEM.

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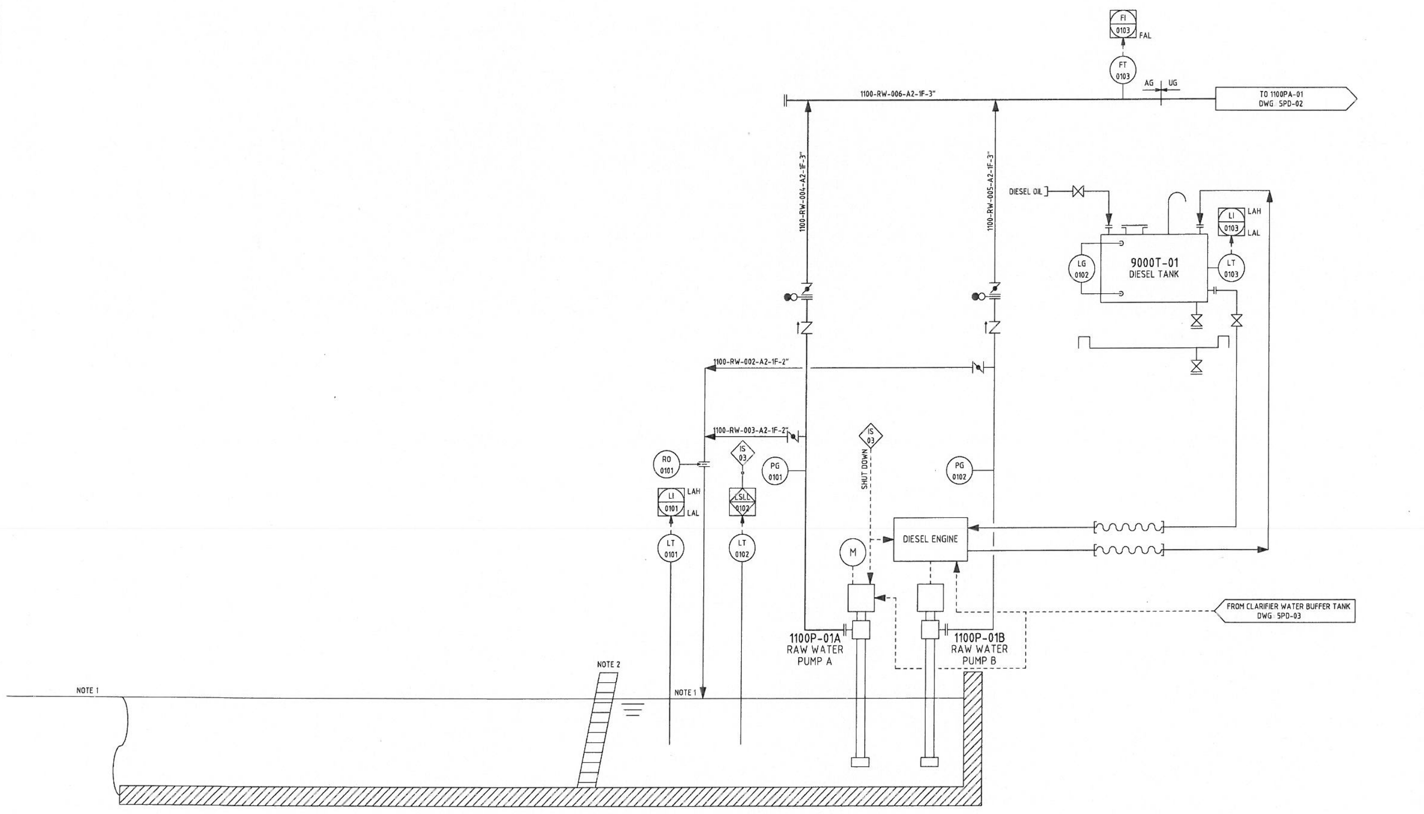
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U9000 - DIESEL ENGINE GENERATOR SYSTEM PIPING AND INSTRUMENTATION DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	
	Designed by: / Date	Rev. No. A
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5FD-001	Approved by: / Date	

ISO A1



NOTES:
1 - WATER LEVEL TO BE CONFIRMED BY DETAIL ENGINEERING CONTRACTOR.
2 - BAR SCREEN TO REMOVE LARGE OBJECTS FROM THE RIVER.

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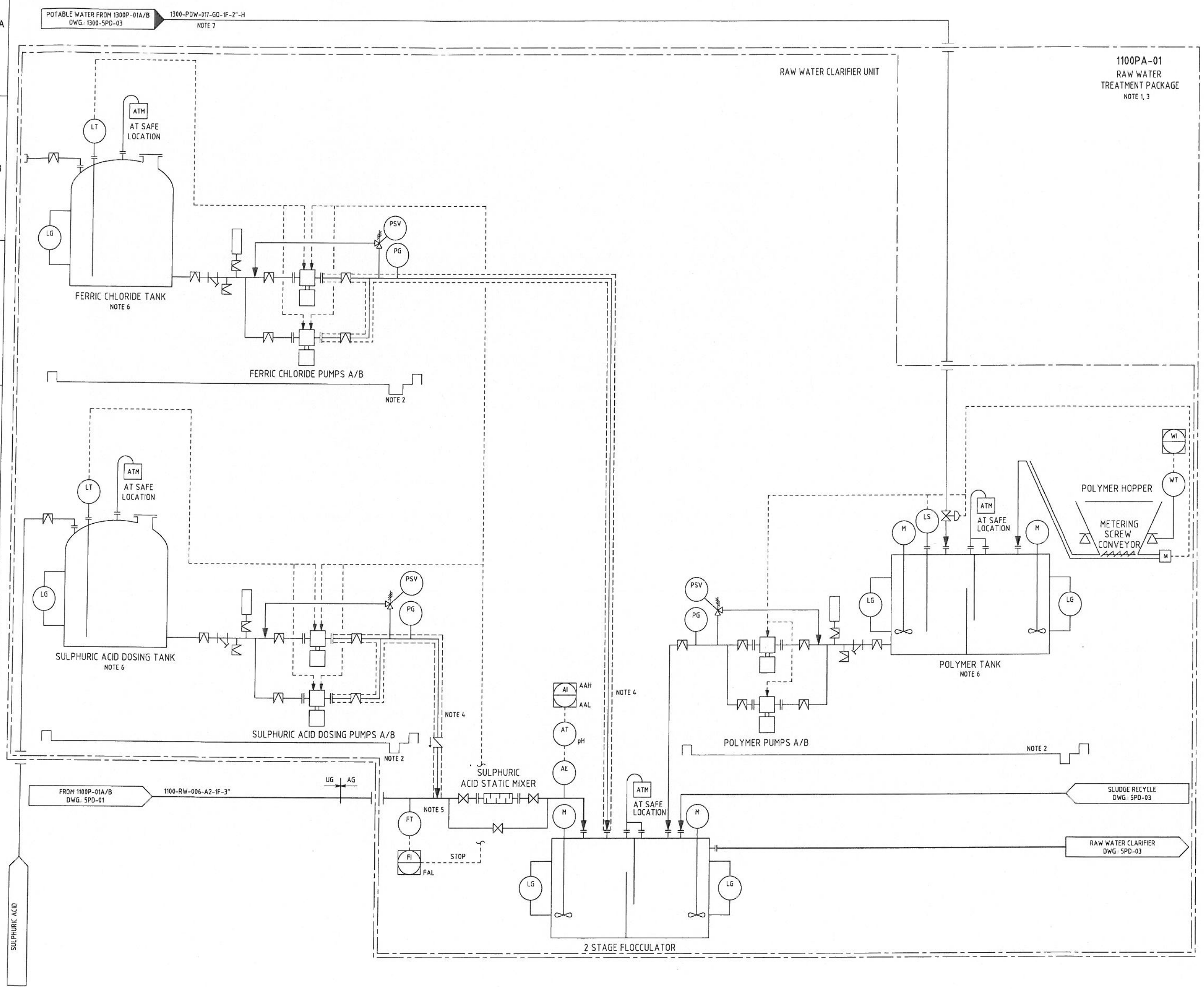
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1100 - RAW WATER INTAKE SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date
Rev. No. A
Sheet No.

STD. DWG. No.
DWG. No. SPD-001

ISO A1



NOTES:

1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - CHEMICAL SPILLS TO BE COLLECTED BY VACUUM TRUCK FOR FURTHER TREATMENT/DISPOSAL.
3 - CHEMICAL INJECTION PACKAGE TO BE LOCATED UNDER SHELTER.
4 - MATERIAL OF CONSTRUCTION TO BE CONFIRMED BY PACKAGE VENDOR.
5 - CHEMICAL DOSING INJECTION POINT TO INCLUDE DOSING QUILL.
6 - NUMBER AND LOCATION OF EYEWASH STATIONS AND SAFETY SHOWERS TO BE DETERMINED BY DETAIL ENGINEERING CONTRACTOR.
7 - TO BE CONFIRMED BY VENDOR.

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REV	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1100 - RAW WATER TREATMENT UNIT PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Drawn by: Date

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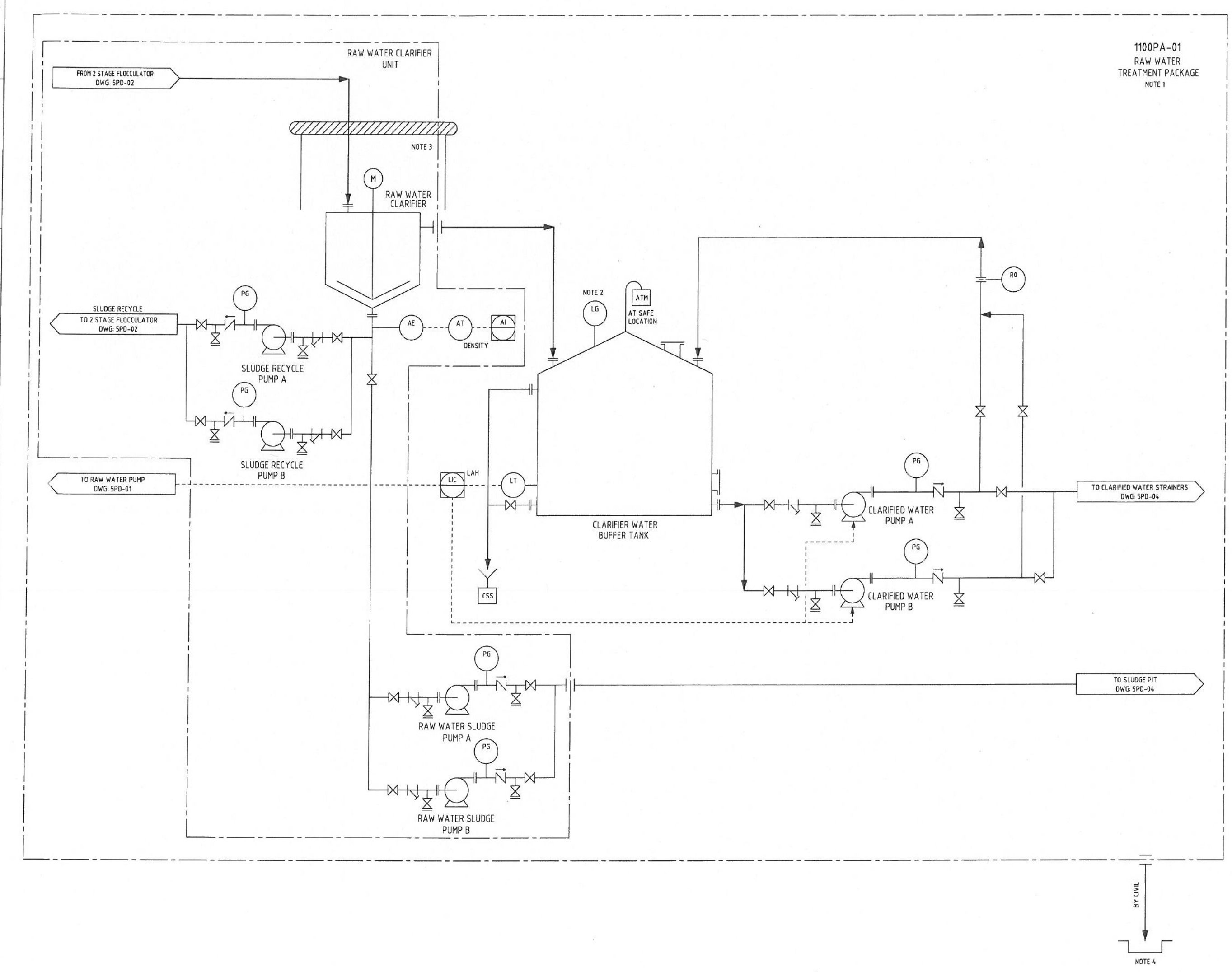
Rev. No. A

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STD. DWG. No.

DWG. No. 5PD-002

ISO A1



NOTES:

1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - TO BE READABLE AT GRADE.
3 - FREE STANDING ROOF.
4 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.

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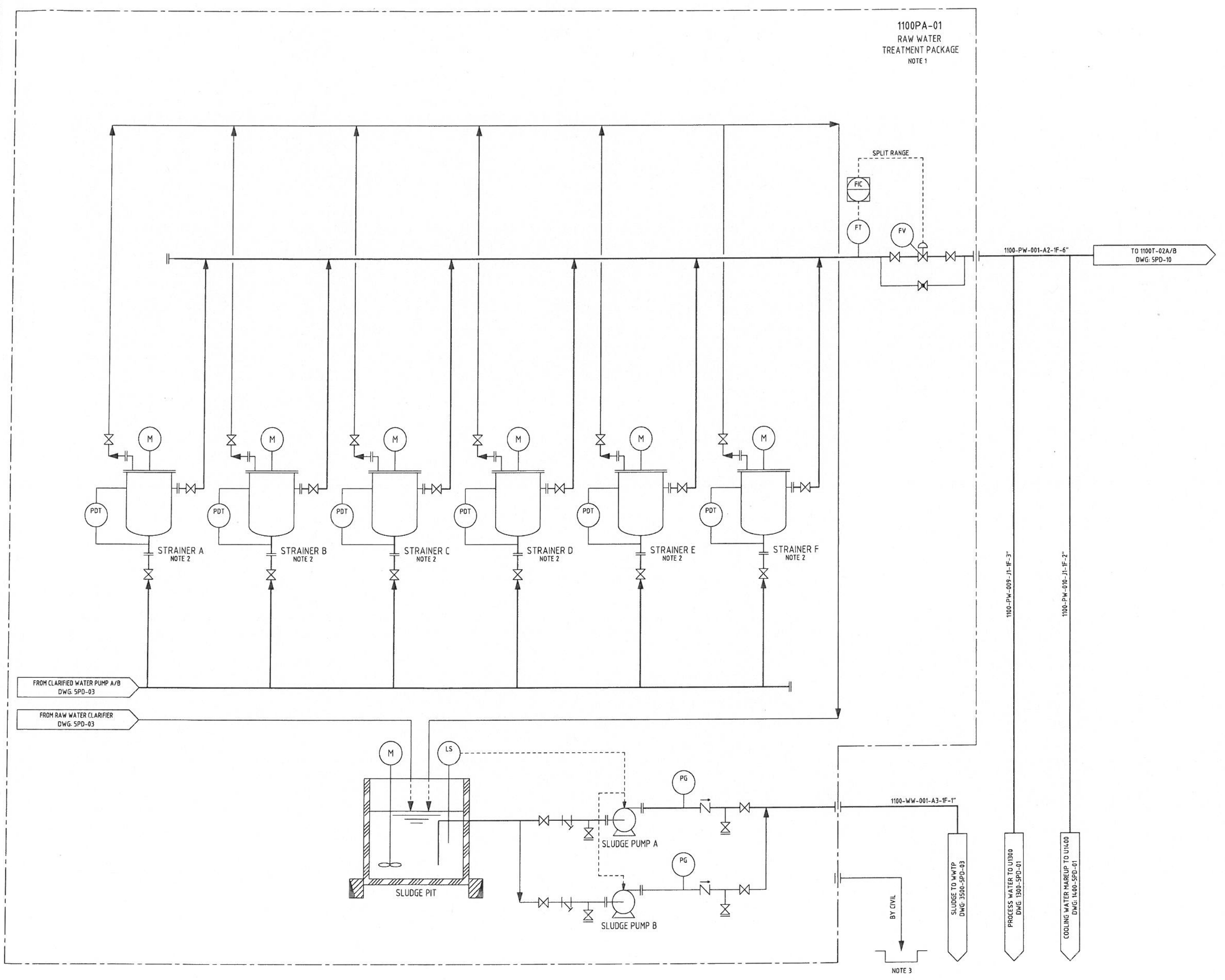
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Description	Project no. 05-96-14832		Unit
U1100-RAW WATER TREATMENT UNIT PIPING AND INSTRUMENTATION DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	Rev. No. A
	Designed by:	Date	
STD. DWG. No.	Checked by:	Date	Sheet No.
DWG. No. 5PD-003	Approved by:	Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - TYPE AND NUMBER OF FILTERS TO BE CONFIRMED BY VENDOR.
3 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.

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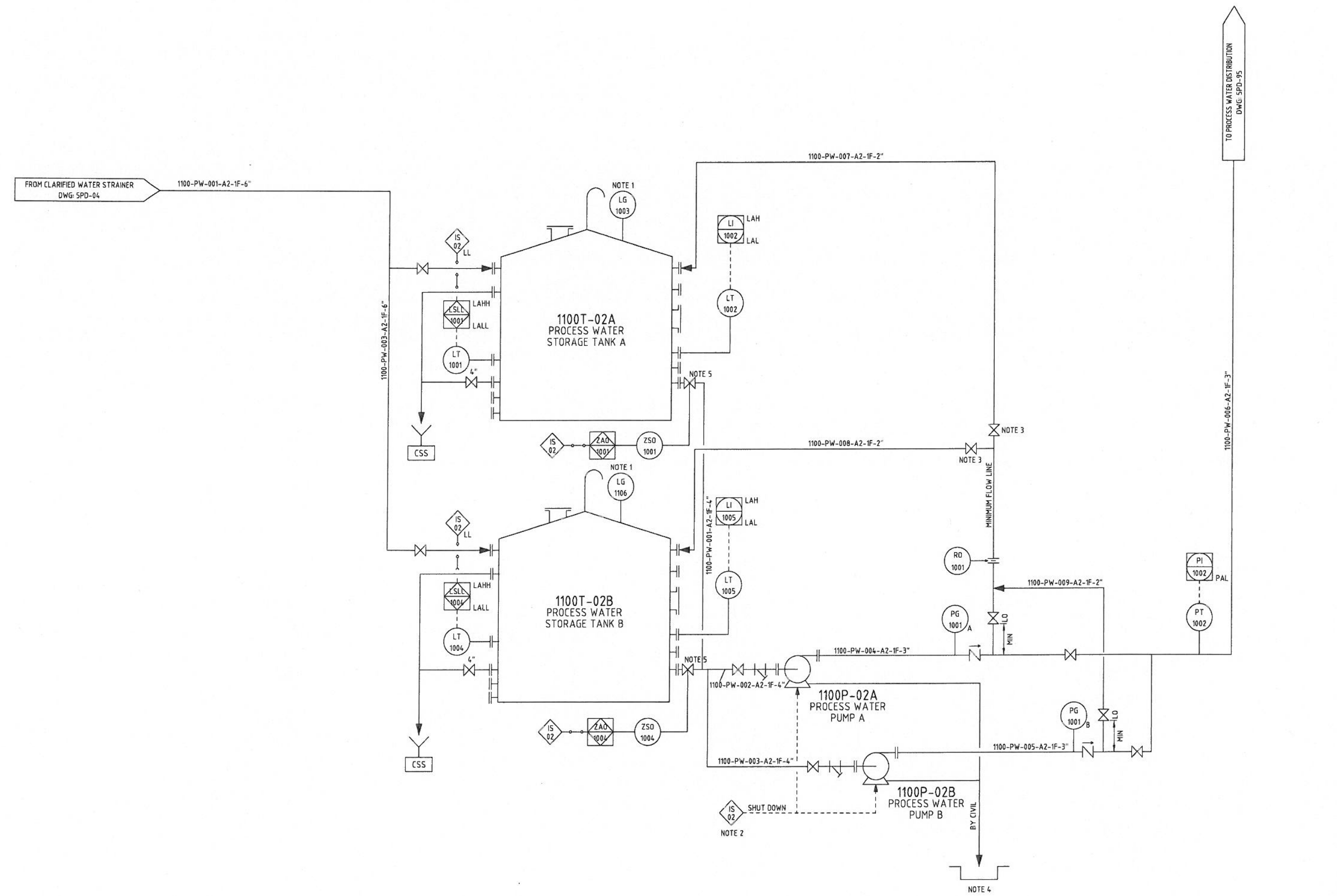
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Description	Project no. 05-96-14832		Unit
U1100-RAW WATER TREATMENT UNIT PIPING AND INSTRUMENTATION DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	
	Designed by:	Date	Rev. No. A
STD. DWG. No.	Checked by:	Date	Sheet No.
DWG. No. 5PD-004	Approved by:	Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - TO BE READABLE AT GRADE.
2 - LOGIC MUST ACCOUNT FOR ONE TANK OUT OF SERVICE.
3 - ROUTING VALVES TO BE ACCESSIBLE AT GRADE.
4 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.
5 - THE VALVE MUST BE FULLY OPEN BEFORE THE PUMP CAN START. WHEN THE VALVE OPENS (ZSO) AND PUMP RUNNING, IF ZSO IS NO LONGER ACTIVATED (NON ZSO), INTERLOCK SAFETY IS ENERGATED AND STOPS THE PUMP.

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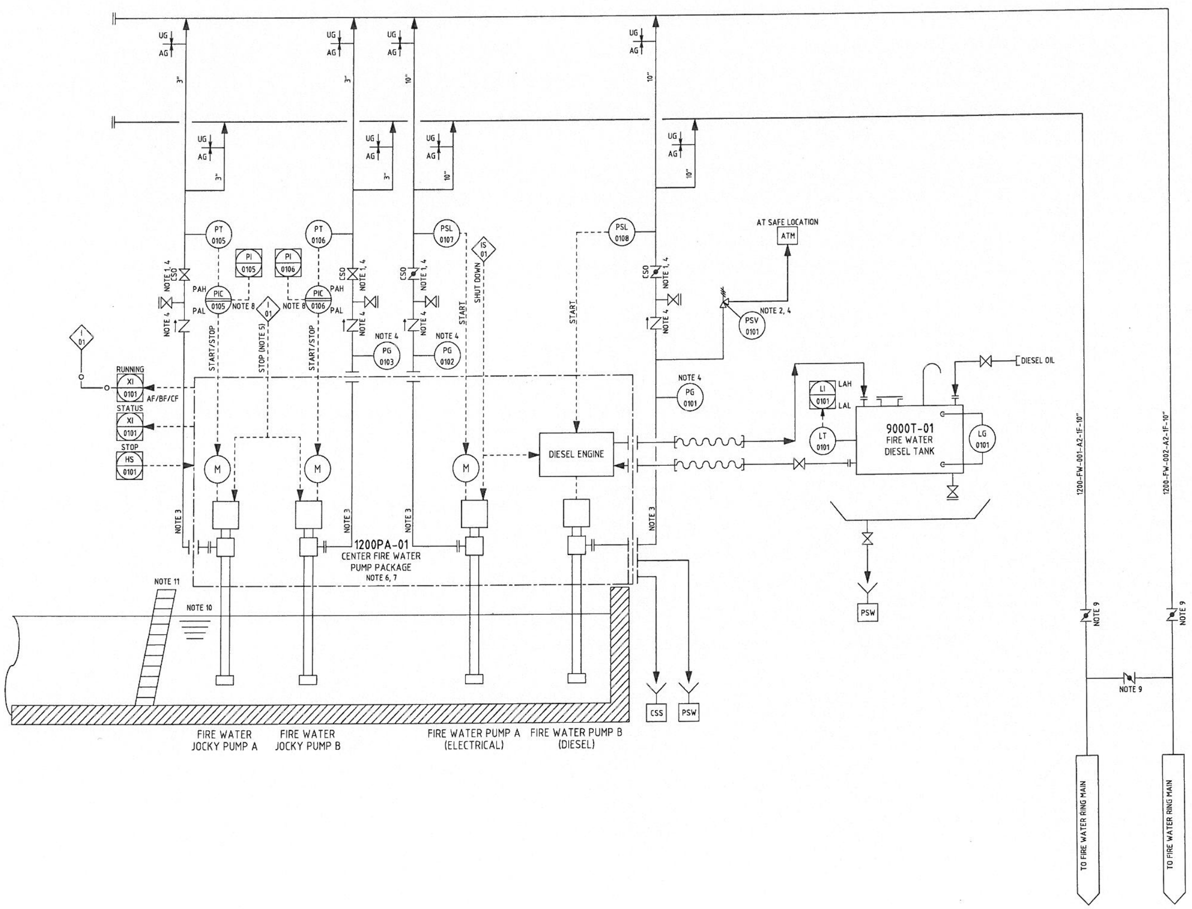
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1100 - RAW WATER TREATMENT UNIT PIPING AND INSTRUMENTATION DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
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STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5PD-005	Approved by: / Date	

ISO A1



NOTES:

1 - INDICATING VAVE REQUIRED AS PER NFPA 20 SECTION 2-19.3.
2 - RELIEF VALVE AS PER REQUIREMENT OF NFPA 20 SECTION 2-13.
3 - CIRCULATION RELIEF VALVE TO BE PROVIDED BY PUMP VENDOR AS NFPA 20 SECTION 2-6.
4 - TO BE SUPPLIED BY FIRE WATER PUMPS PACKAGE VENDOR. ALL ITEMA TO BE CERTIFIED BY A 3rd PARTY FOR COMPLIANCE WITH NFPA 20. ITEMS TO BE PACKED AND SHIPPED AS LOOSED ITEMS FOR INSTALLATION BY DETAILED ENGINEERING CONTRACTOR.
5 - JOCKEY PUMPS WILL STOP DURING FIRE WATER PUMPS OPERATION.
6 - DETAILS WITHIN PACKAGE ARE TO BE CONFIRMED BY VENDOR.
7 - PUMP CONTROL LOGICS ARE INCLUDED IN THE CENTER FIRE WATER PUMP PACKAGE 1200PA-01.
8 - SET POINT OF PRESSURE CONTROL TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
9 - VALVES TO BE ACCESSIBLE.
10 - WATER LEVEL TO BE CONFIRMED BY DETAIL ENGINEERING CONTRACTOR.
11 - BAR SCREEN TO REMOVE LARGE OBJECTS FROM THE RIVER.

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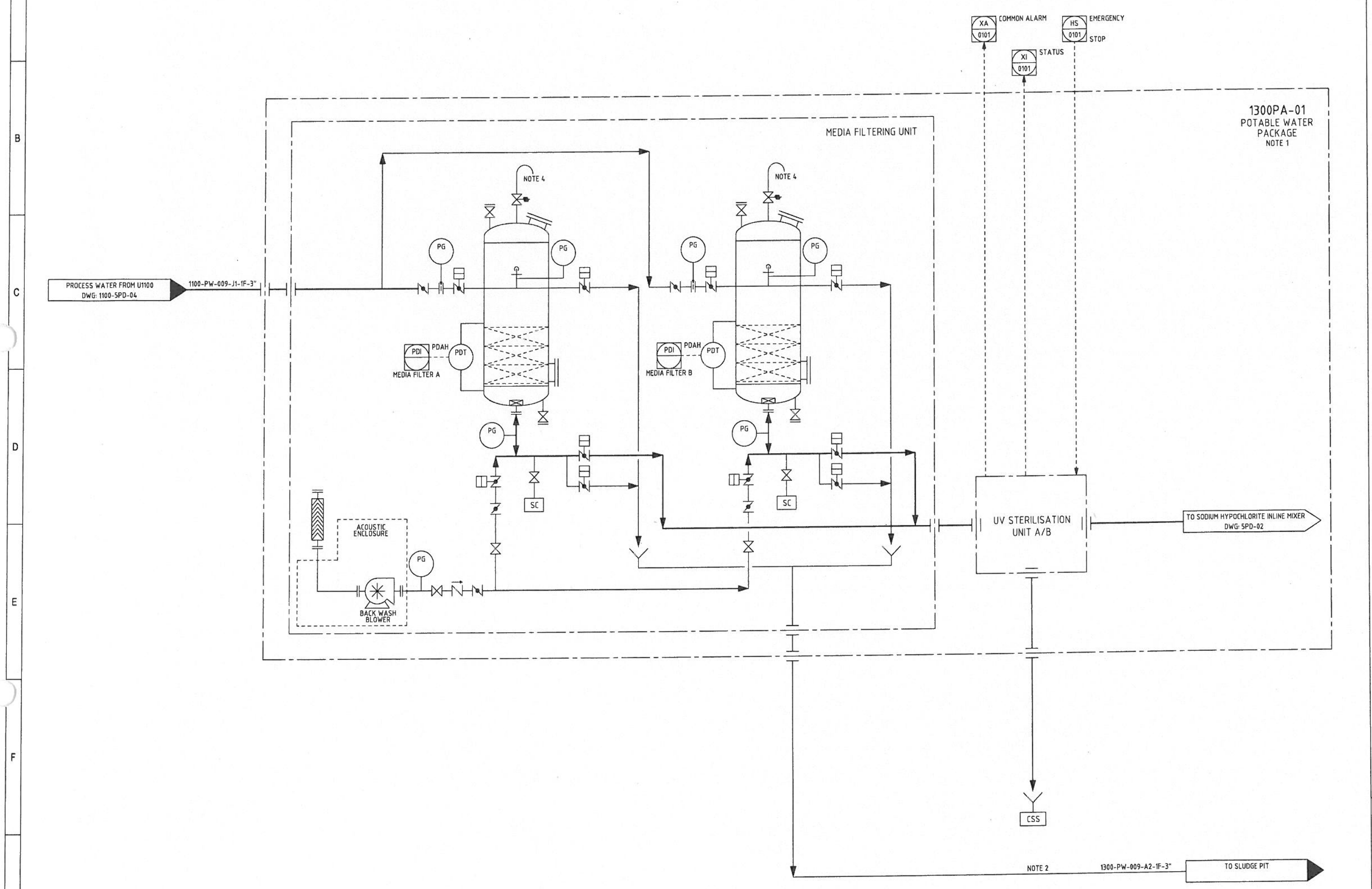
Description: U1200 - FIRE WATER SYSTEM
PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Drawn by: Date
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DWG. No. 5PD-001

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - DETAILS WITHIN VENDOR PACKAGE TO BE CONFIRMED BY VENDOR.
2 - DRAIN LINE FOR MAINTENANCE.

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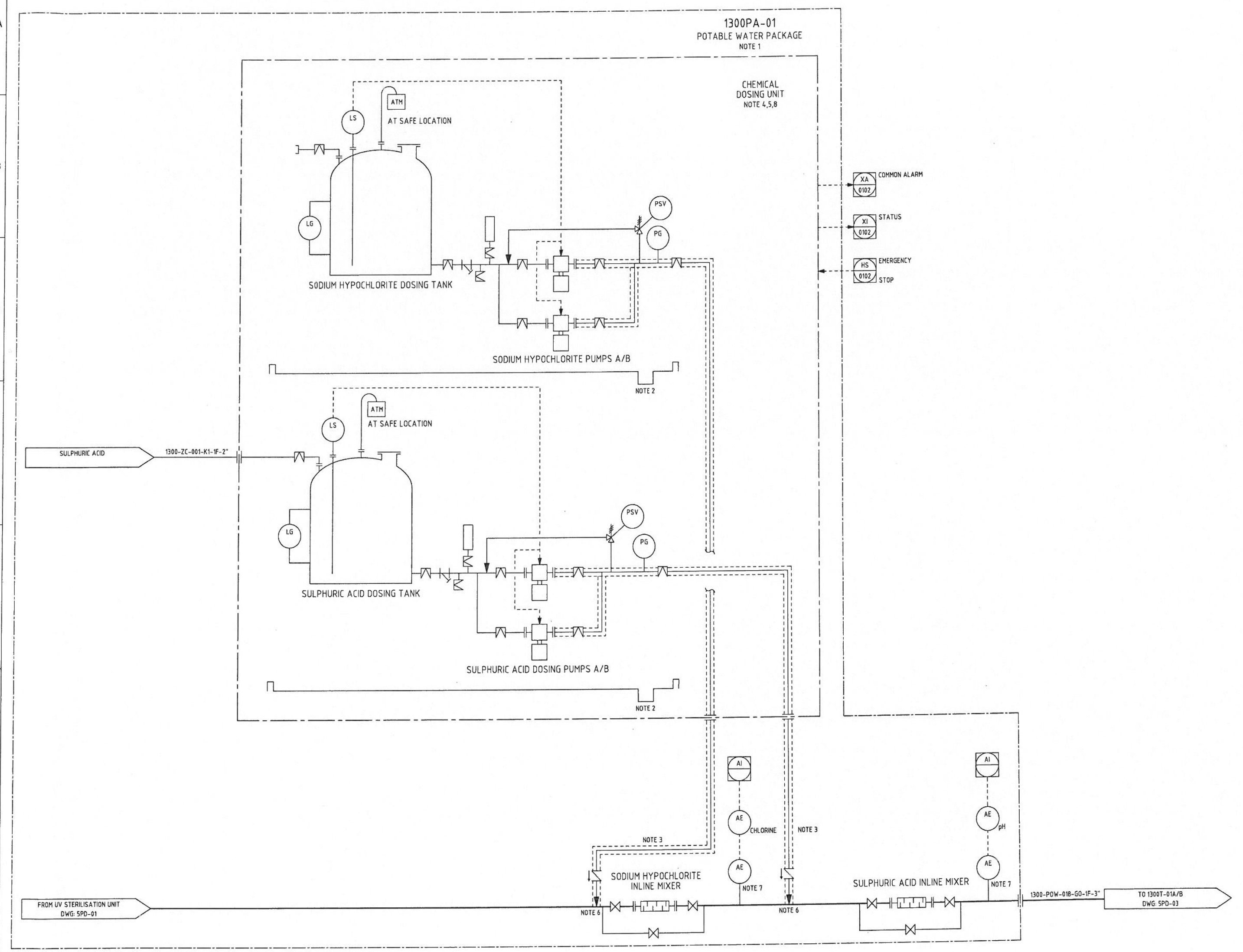
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Description		Project no. 05-96-14832		Unit	
U1300 - POTABLE WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM		Acad File Name		Scale N/A	
		Drawn by:	Date		
		Designed by:	Date	Rev. No. A	
STD. DWG. No.		Checked by:	Date	Sheet No.	
DWG. No. 5PD-001		Approved by:	Date		

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES

1 - DETAILS WITHIN VENDOR PACKAGE TO BE CONFIRMED BY VENDOR.
2 - CHEMICAL SPILLS TO BE COLLECTED BY VACUUM TRUCK FOR FURTHER TREATMENT/DISPOSAL.
3 - MATERIAL OF CONSTRUCTION TO BE CONFIRMED BY PACKAGE VENDOR.
4 - FOOD GRADE SODIUM HYPOCHLORITE IS RECOMMENDED.
5 - CHEMICAL DOSING PACKAGE TO BE LOCATED UNDER SHELTER.
6 - CHEMICAL DOSING INJECTION POINT TO INCLUDE DOSING QUILL.
7 - CHLORINE AND pH ANALYSER TO BE SUPPLIED BY PACKAGE VENDOR.
8 - NUMBER AND LOCATION OF EYEWASH STATIONS AND SAFETY SHOWERS TO BE DETERMINED BY DETAIL ENGINEERING CONTRACTOR.

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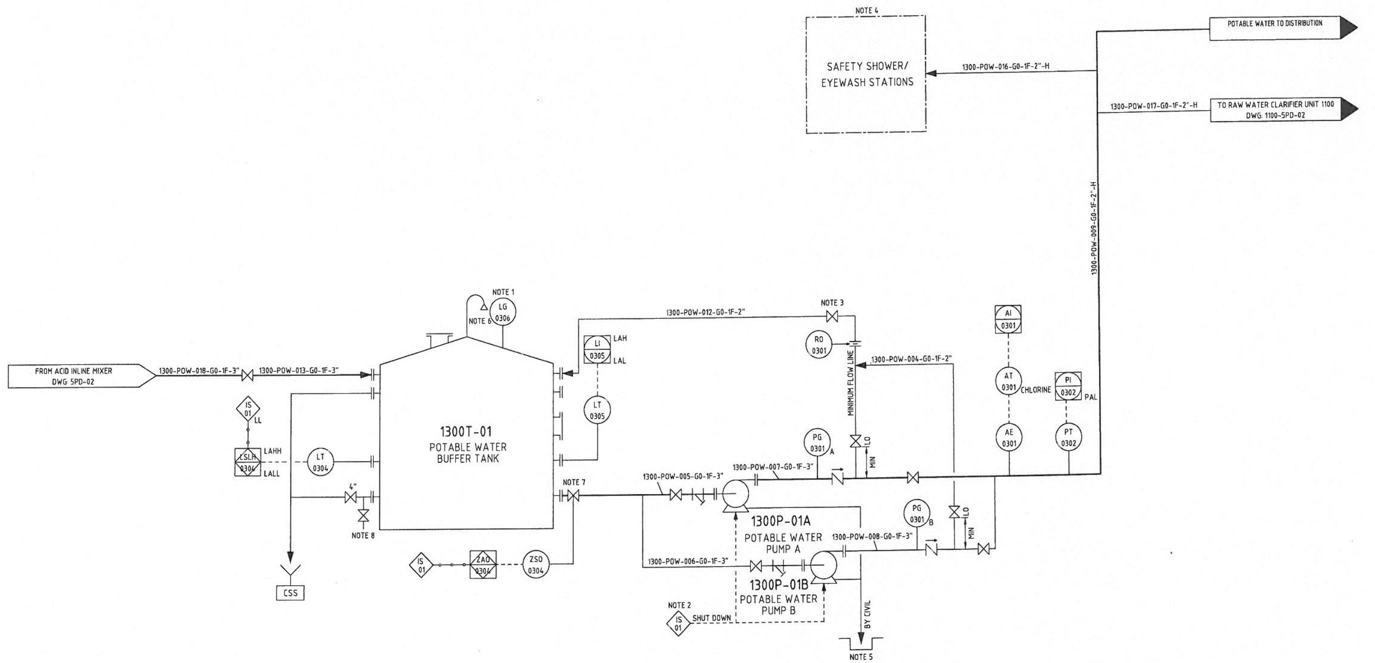
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1300 - POTABLE WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
STD. DWG. No.	Designed by: / Date	
	Checked by: / Date	Sheet No.
DWG. No. 5PD-002	Approved by: / Date	

ISO A1



NOTES:

1 - TO BE READABLE AT GRADE.
2 - LOGIC MUST ACCOUNT FOR ONE TANK OUT OF SERVICE.
3 - ROUTING VALVES TO BE ACCESSIBLE AT GRADE.
4 - NUMBER AND LOCATION OF SAFETY SHOWERS AND EYEWASH STATIONS TO BE DETERMINED BY DETAIL ENGINEERING CONTRACTOR.
5 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.
6 - BIRD SCREEN TO BE PROVIDED.
7 - THE VALVE MUST BE FULLY OPEN BEFORE THE PUMP CAN START. WHEN THE VALVE OPENS (ZSO) AND PUMP RUNNING, IF ZSO IS NO LONGER ACTIVATED (NON ZSO), INTERLOCK SAFETY IS ENERGIZED AND STOPS THE PUMP.
8 - SAMPLE POINT.

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1300 - POTABLE WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Drawn by: Date

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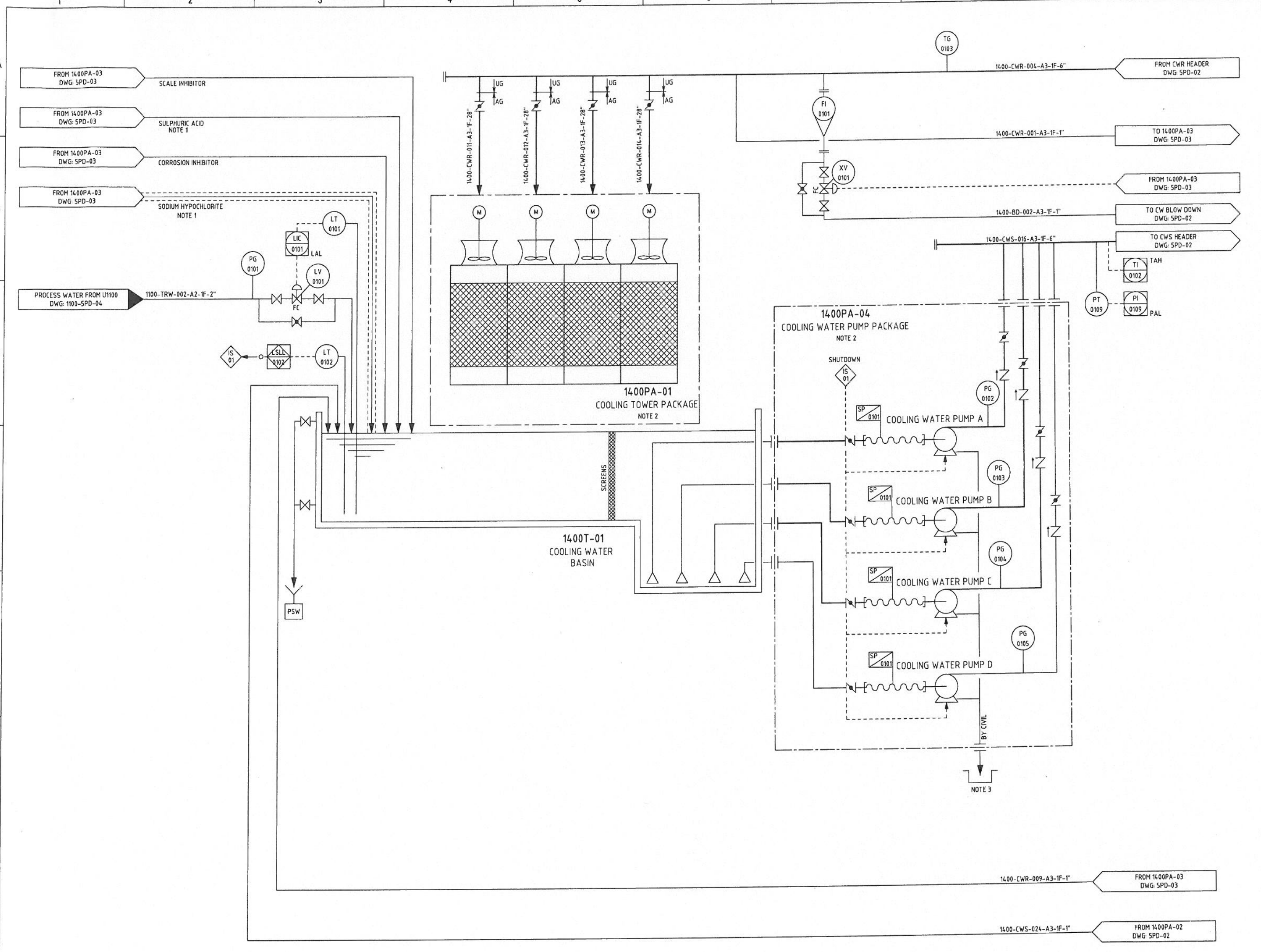
Rev. No. A

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STD. DWG. No.

DWG. No. 5PD-003

ISO A1



NOTES:

1 - MATERIAL OF CONSTRUCTION TO BE CONFIRMED BY PACKAGE VENDOR.
2 - THE NUMBER AND LOCATION OF GAS DETECTORS TO BE CONFIRMED BY DETAIL ENGINEERING CONTRACTOR.
3 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.

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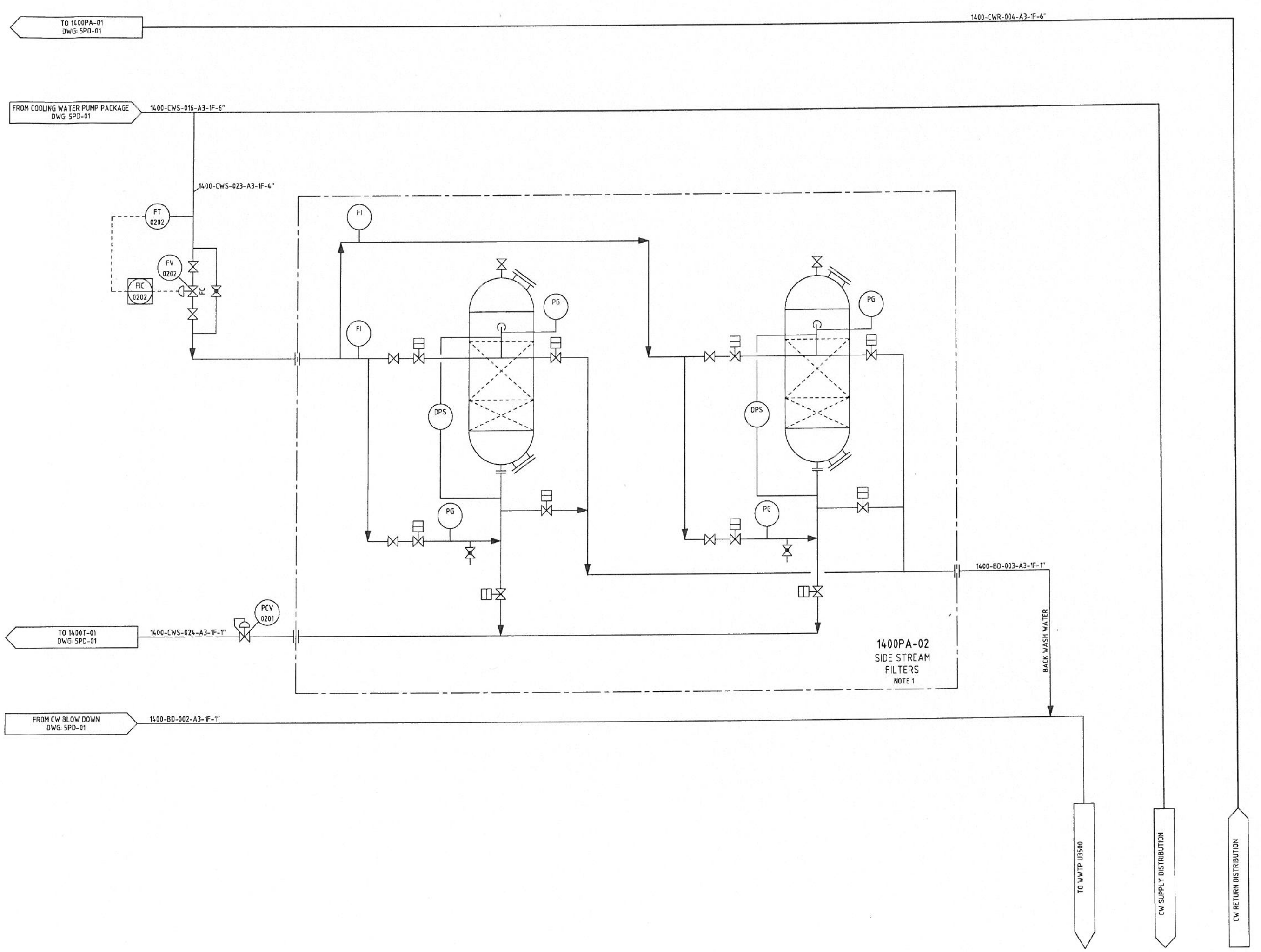
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Project no. 05-96-14832
Acad File Name
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Scale N/A
Rev. No. A
Drawn by: Date
Designed by: Date
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DWG. No. 5PD-001

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NOTES:
1 - DETAIL WITHIN PACKAGE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1400 - COOLING WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Rev. No. A

Sheet No.

Drawn by: Date

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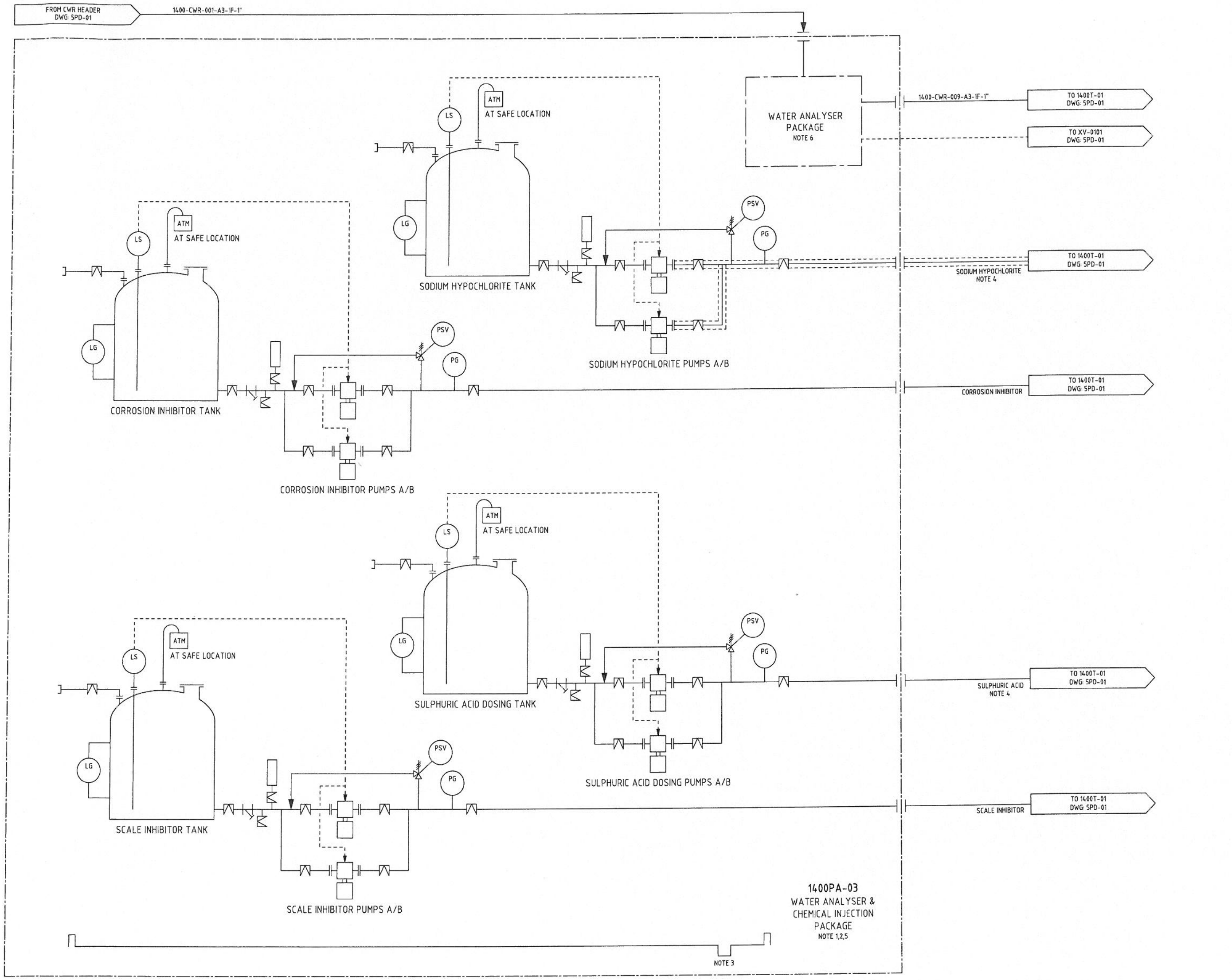
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DWG. No. 5PD-002

ISO A1



NOTES:

1 - DETAIL WITHIN PACKAGE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
2 - CHEMICAL INJECTION PACKAGE TO BE LOCATED UNDER SHELTER.
3 - CHEMICAL SPILLS TO BE COLLECTED BY VACUUM TRUCK FOR FURTHER TREATMENT/ DISPOSAL.
4 - MATERIAL OF CONSTRUCTION TO BE CONFIRMED BY PACKAGE VENDOR.
5 - NUMBER AND LOCATION OF EYEWASH STATIONS AND SAFETY SHOWERS TO BE DETERMINED BY DETAILED ENGINEERING CONTRACTOR.
6 - ANALYSER TO BE PROVIDED FOR CONTROLLING WATER pH AND HARDNESS. TO BE CONFIRMED BY VENDOR.

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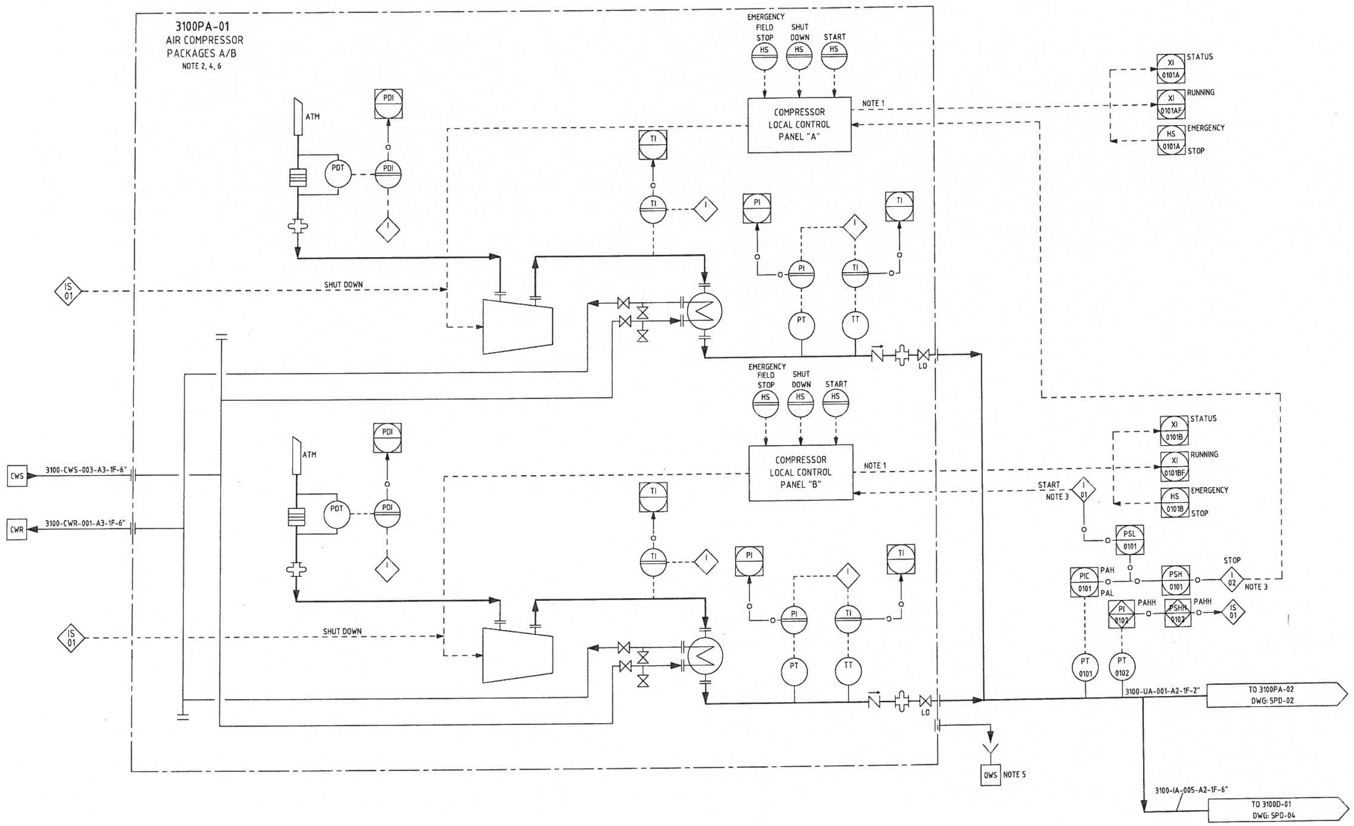
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1400 - COOLING WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date
Rev. No. A
Sheet No.

STD. DWG. No.
DWG. No. 5PD-003

ISO A1



NOTES:

1 - INSTRUMENT SIGNALS FROM COMPRESSOR LOCAL CONTROL PANEL TO DCS TO BE DETERMINED/CONFIRRMED BY DETAILED ENGINEERING CONTRACTOR.

2 - DETAILS WITHIN VENDOR PACKAGE ARE INDICATIVE ONLY. TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

3 - PIC PRESSURE SIGNAL USED FOR 4400 PA-01 CAPACITY CONTROL TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

4 - TWO PLANT AIR COMPRESSORS CONFIGURED IN 1 DUTY/ 1 STAND-BY (2x100%). THE STAND-BY COMPRESSORS TO AUTOMATICALLY START ON LOW AIR HEADER PRESSURE OR IN THE CASE OF THE DUTY COMPRESSOR MALFUNCTIONING.

5 - OWS DRAINS TO U3500.

6 - VENDOR TO PROVIDE CONTROLLER WITH MODBUS COMMUNICATION TO DCS.

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Description: U3100 - AIR COMPRESSOR PACKAGE PIPING & INSTRUMENTATION DIAGRAM

Project no.: 05-96-14832

Acad File Name:

Unit:

Scale: N/A

Drawn by: | Date:

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Rev. No.: A

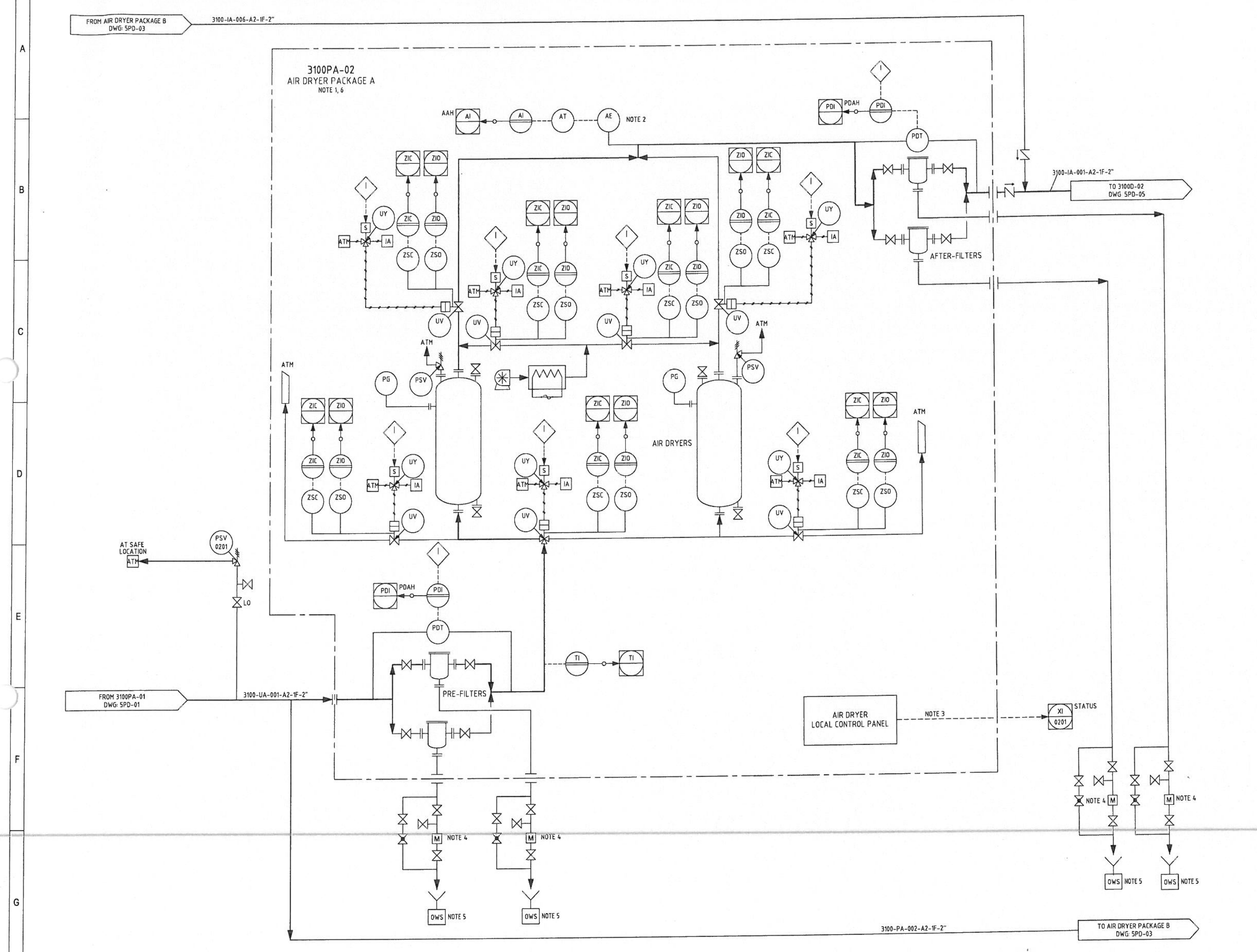
Sheet No.:

STD. DWG. No.

DWG. No. 5PD-001

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - DETAILS WITHIN VENDOR PACKAGE ARE INDICATIVE ONLY. DETAILS OF THIS PACKAGE SHALL BE UPDATED BASED ON SELECTED VENDOR INFORMATION BY DETAILED ENGINEERING CONTRACTOR.
2 - MOISTURE ANALYSER.
3 - INSTRUMENT SIGNALS FROM AIR DRYER LOCAL PANEL TO DCS TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
4 - MOISTURE TRAP.
5 - OWS DRAINS TO U3500.
6 - TWO AIR DRYER PACKAGES CONFIGURED IN 1 DUTY/ 1 STAND-BY (2x100%).

Document-ID UT-PR-000-FB-00019

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3100 - AIR DRYER PACKAGE A PIPING & INSTRUMENTATION DIAGRAM

Project no.: 05-96-14832

Acad File Name:

Unit:

Scale: N/A

Rev. No.: A

Sheet No:

Drawn by: | Date

Designed by: | Date

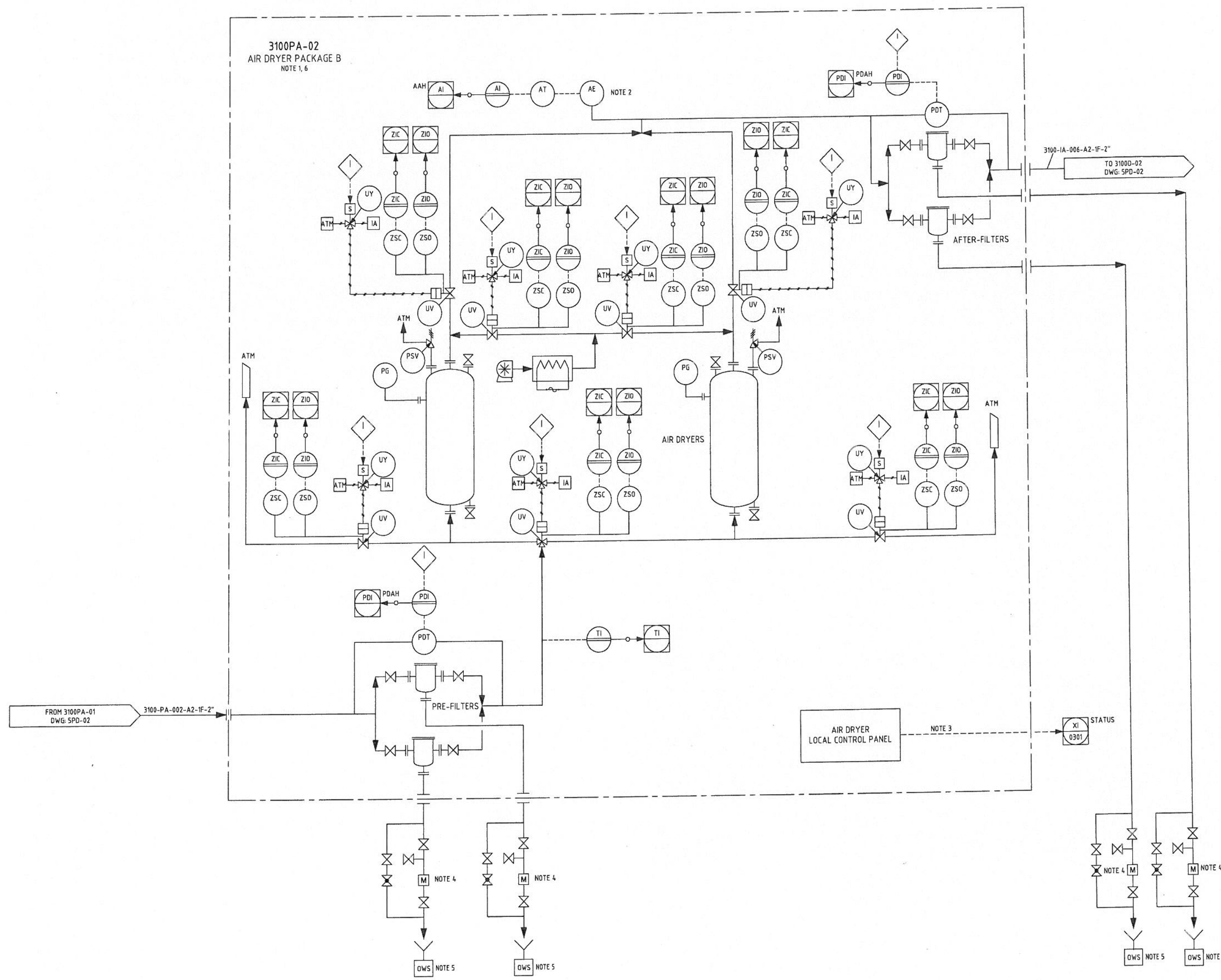
Checked by: | Date

Approved by: | Date

STD. DWG. No.

DWG. No. 5PD-002

ISO A1



NOTES:

1 - DETAILS WITHIN VENDOR PACKAGE ARE INDICATIVE ONLY. DETAILS OF THIS PACKAGE SHALL BE UPDATED BASED ON SELECTED VENDOR INFORMATION BY DETAILED ENGINEERING CONTRACTOR.
2 - MOISTURE ANALYSER.
3 - INSTRUMENT SIGNALS FROM AIR DRYER LOCAL PANEL TO DCS TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
4 - MOISTURE TRAP.
5 - OWS DRAINS TO U3500.
6 - TWO AIR DRYER PACKAGES CONFIGURED IN 1 DUTY/ 1 STAND-BY (2x100%).

Document-ID UT-PR-000-FB-0019

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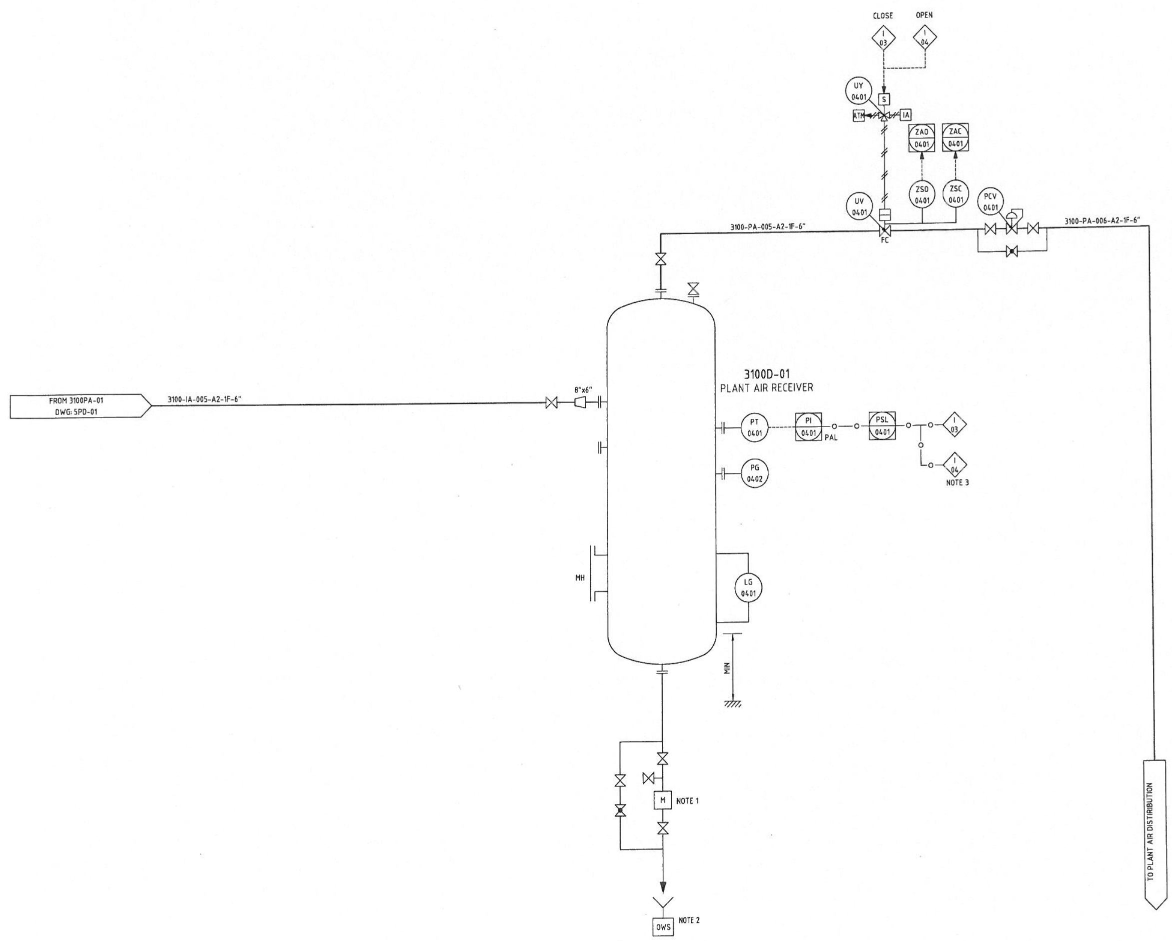
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CONFIDENTIAL

Description	Project no. 05-96-14832	Unit
U3100 - AIR DRYER PACKAGE B PIPING & INSTRUMENTATION DIAGRAM	Acad File Name	Scale N/A
	Drawn by: / Date	
	Designed by: / Date	Rev. No. A
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5PD-003	Approved by: / Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - MOISTURE TRAP.
2 - OWS DRAINS TO U3500.
3 - UV-0401 TO OPEN WHEN OPERATING AT NORMAL PRESSURE.

Document-ID UT-PR-000-FB-0019

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3100 - PLANT AIR RECEIVER PIPING & INSTRUMENTATION DIAGRAM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Rev. No. A

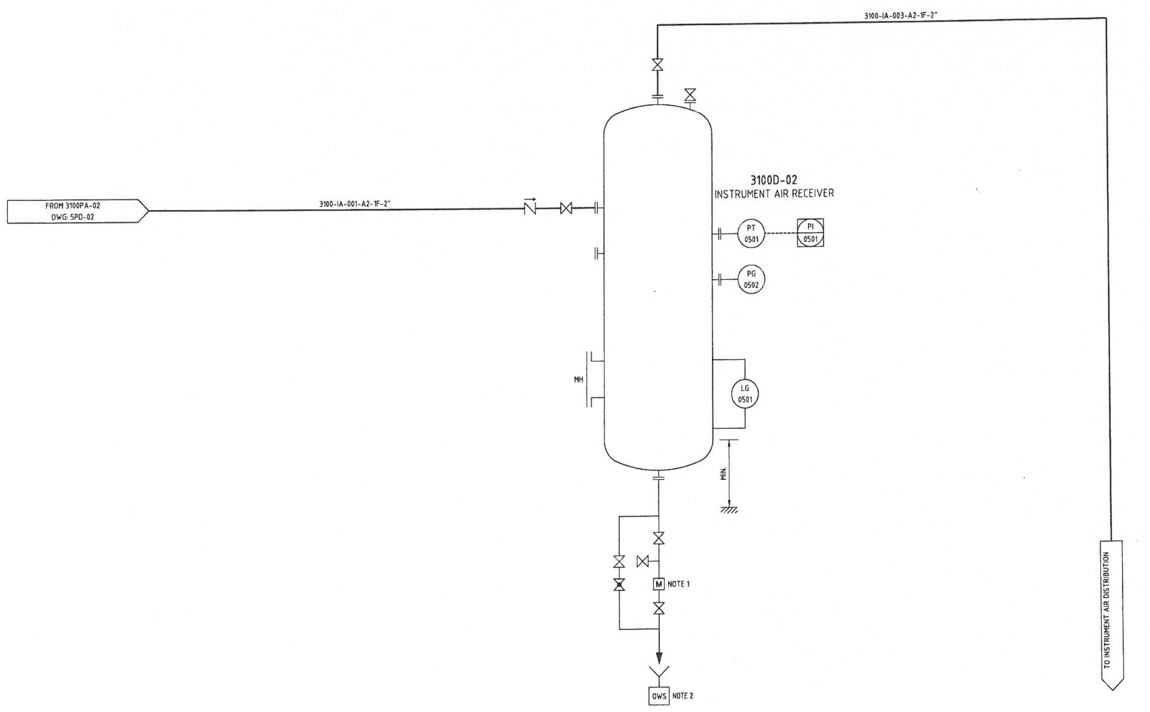
Sheet No.

Drawn by: / Date
Designed by: / Date
Checked by: / Date
Approved by: / Date

STD. DWG. No.

DWG. No. 5PD-004

ISO A1



NOTES:

1 - MOISTURE TRAP.

2 - OWS DRAINS TO U3500.

Document-ID UT-PR-000-FB-0019

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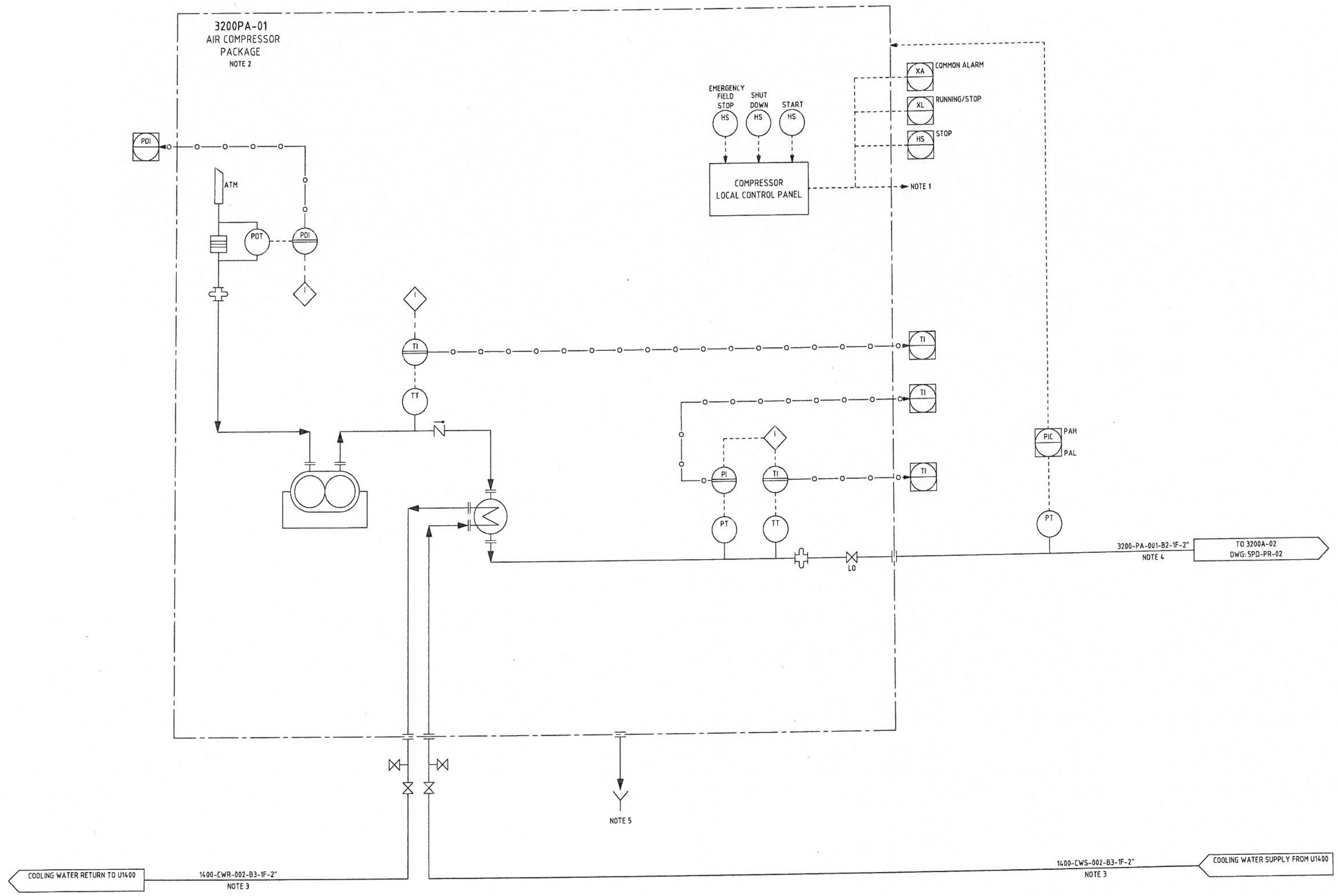
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Description	Project no. 05-96-14832		Unit
U3100 - INSTRUMENT AIR RECEIVER PIPING & INSTRUMENTATION DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	
	Designed by:	Date	Rev. No. A
STD. DWG. No.	Checked by:	Date	Sheet No.
DWG. No. 5PD-005	Approved by:	Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - INSTRUMENT SIGNALS FROM COMPRESSOR LOCAL CONTROL PANEL TO DCS TO BE DETERMINED/CONFIRRMED BY DETAILED ENGINEERING CONTRACTOR.
2 - REQUIRED NUMBER OF COMPRESSOR TO BE CONFIRMED BY VENDER. DETAILS WITHIN VENDER PACKAGE ARE INDICATIVE ONLY TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR BASED ON SELECTED VENDOR INFORMATION.
3 - LINE SIZE BASED ON PRELIMINARY AIR COMSUMPTION TO BE FINALISED BY DETAILED ENGINEERING CONTRACTOR.
4 - LINE SIZE TO BE CONFIRMED BY NITROGEN GENERATION PACKAGE VENDOR.
5 - WATER DRAIN TO GUTTER.

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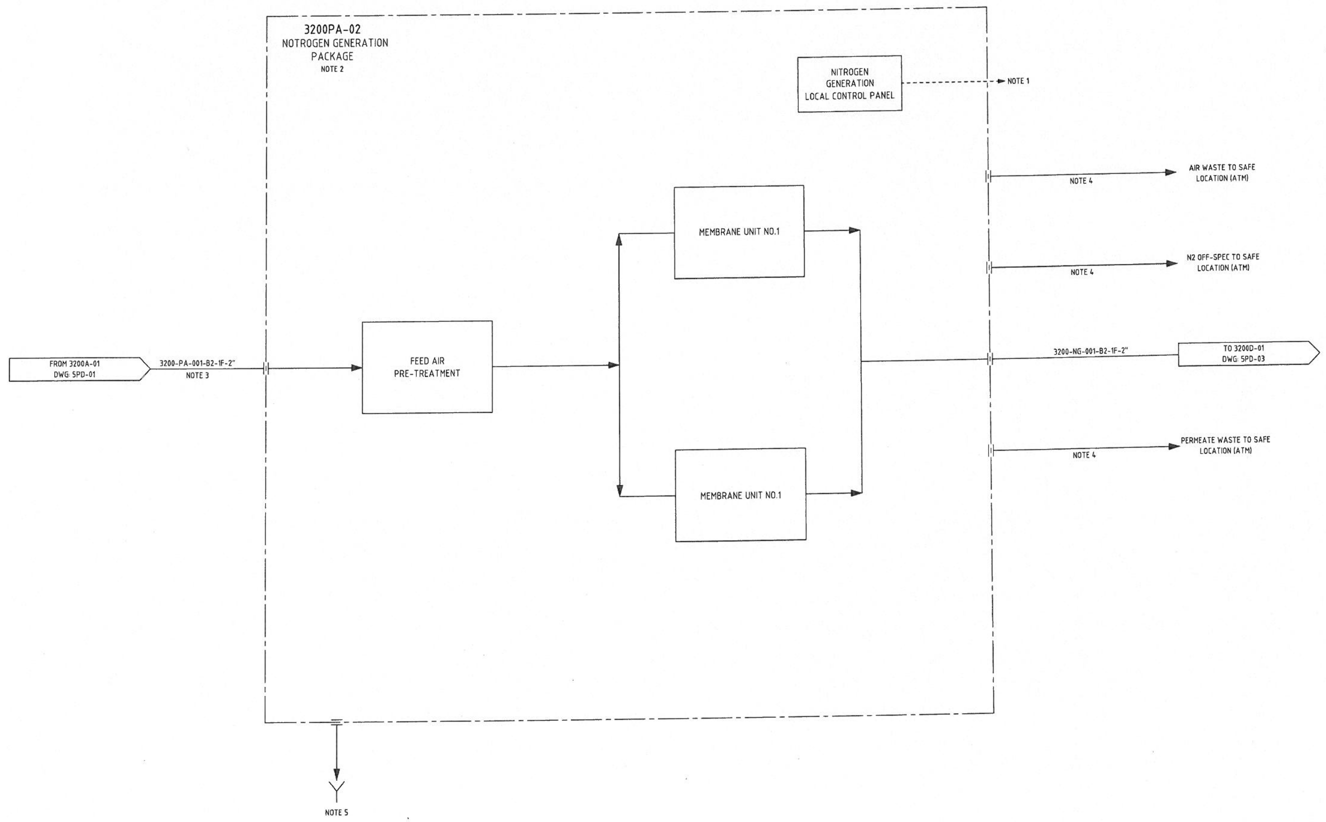
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3200 - AIR COMPRESSOR PACKAGE PIPING & INSTRUMENTATION DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	
	Designed by: / Date	Rev. No. A
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5PD-001	Approved by: / Date	

ISO A1



NOTES:

1 - INSTRUMENT SIGNALS FROM NITROGEN GENERATION PACKAGE LOCAL CONTROL PANEL TO DCS TO BE DETERMINED/CONFIRRMED BY DETAILED ENGINEERING CONTRACTOR.
2 - DETAILS WITHIN VENDOR PACKAGE ARE INDICATIVE ONLY TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR BASE ON SELECTED VENDOR INFORMATION
3 - LINE SIZE TO BE CONFIRMED BY NITROGEN GENERATION PACKAGE VENDOR.
4 - INDICATED LINE SIZE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR BASED ON INFORMATION FROM SELECTED NITROGEN GENERATION PACKAGE VENDOR.
5 - WATER DRAIN TO GUTTER.

Document-ID UT-PR-000-FB-0020

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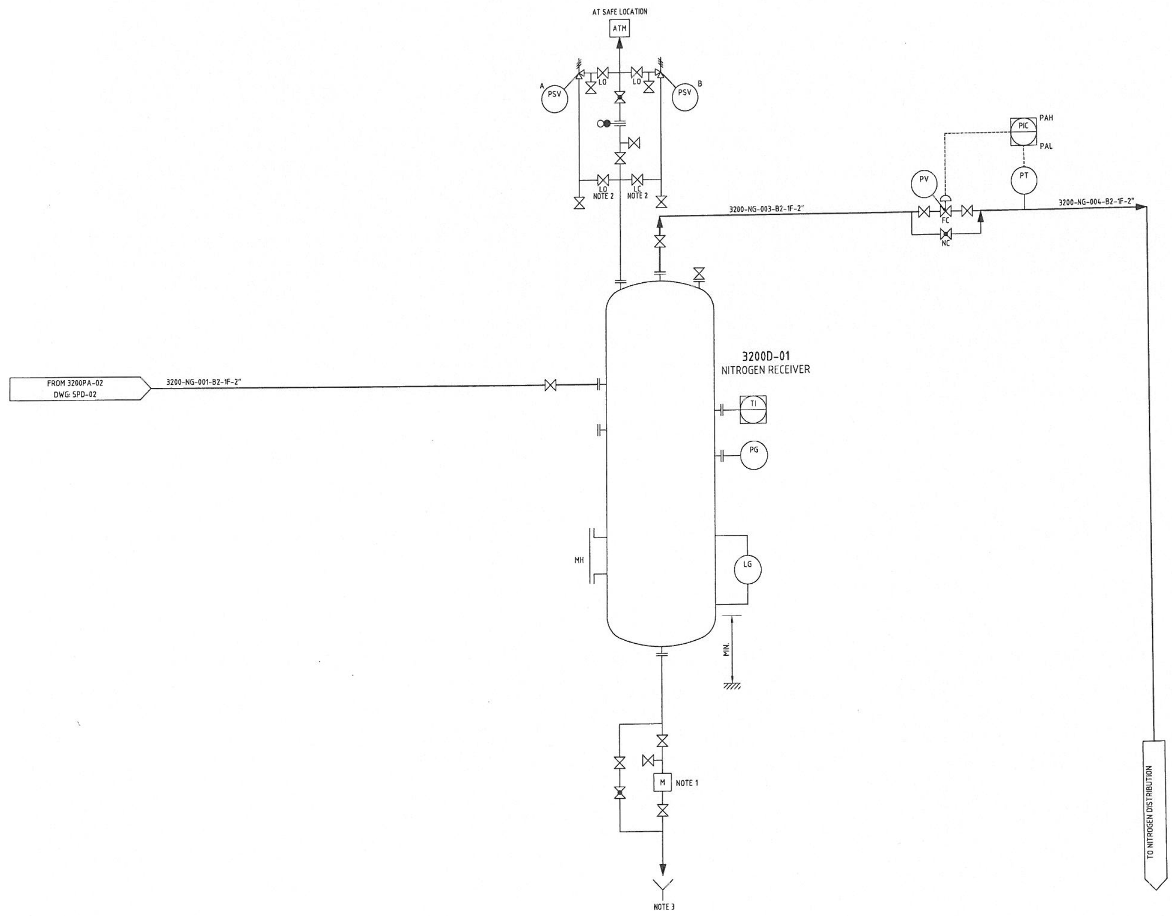
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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3200 - NITROGEN GENERATION PACKAGE PIPING & INSTRUMENTATION DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	
	Designed by: / Date	Rev. No. A
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5PD-002	Approved by: / Date	

ISO A1



NOTES:

1 - MOISTURE TRAP.
2 - PSV INLET ISOLATION VALVES SHALL BE EQUIPPED WITH INTERLOCK SYSTEM
3 - WATER DRAIN TO GUTTER.

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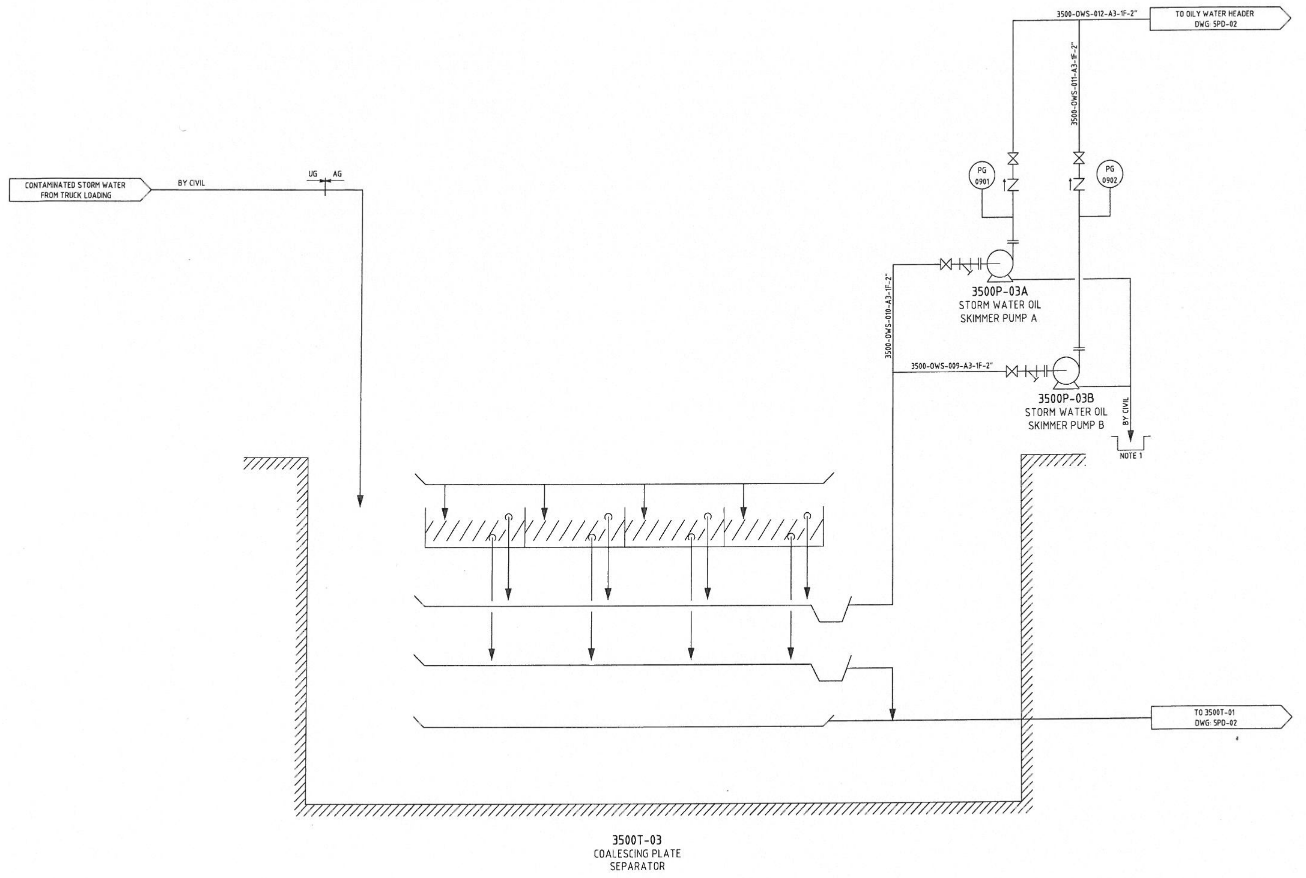
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A	10/04/13	INITIAL CONCEPT	KNL	SM	SM	
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED	

Description	Project no. 05-96-14832		Unit
U3200 - NITROGEN RECEIVER PIPING & INSTRUMENTATION DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	
	Designed by:	Date	Rev. No. A
STD. DWG. No.	Checked by:	Date	Sheet No
DWG. No. 5PD-003	Approved by:	Date	

ISO A1



NOTES:

1 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.

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Description

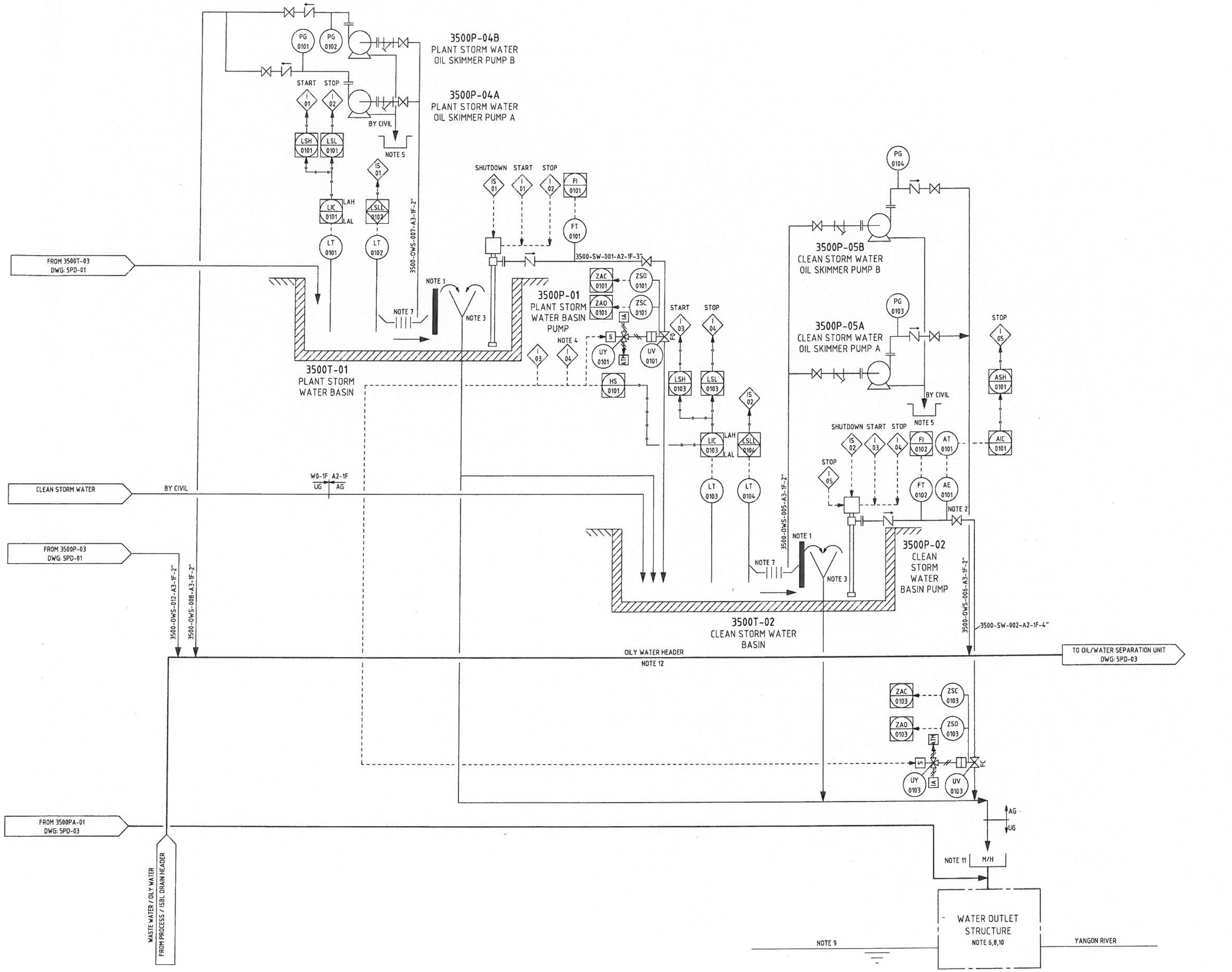
U3500 - WASTE WATER TREATMENT
PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Rev. No. A
Sheet No.
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date

STD. DWG. No.
DWG. No. 5PD-001

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - UNDER FLOW BAFFLE.
2 - HYDROCARBON IN WATER ANALYZER.
3 - WHEN PLANT STORM WATER BASIN FULL 'SECOND FLUSH' OVERFLOWS TO CLEAN STORM WATER BASIN OR DIRECT TO RIVER DISCHARGE.
4 - I-03 OPEN UV-0102 & UV-0103, CLOSE UV-0101
I-04 CLOSE UV-0102 & UV-0103, OPEN UV-0101
HS-0101 MANUAL MODE SELECTOR.
5 - OILY WATER COLLECTION SUMP TO BE PROVIDED FOR EMPTYING BY VACUUM TRUCK. THE WORKING CONTAINMENT VOLUME OF SUMP TO BE SUFFICIENT FOR MAINTENANCE OF PUMPS.
6 - ALL FLOWS TO RIVER TO BE MONITORED FOR CONDITION AND FLOWRATE.
7 - SURFACE OIL SKIMMER.
8 - FLOW TO RIVER BY PLANT DRAINAGE SYSTEM.
9 - WATER LEVEL TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
10 - WATER OUTLET TO BE PROVIDED WITH TRASH SCREEN AND FLAPPER VALVE.
11 - MANHOLE.
12 - LINE SIZE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

0021

Document-ID UT-PR-000-FB-0021.

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3500 - WASTE WATER COLLECTION PIPING AND INSTRUMENTATION DIAGRAM

Project no. 05-96-14832 | Acad File Name | Unit | Scale N/A | Rev. No. A | Sheet No.

Drawn by: Date | Designed by: Date | Checked by: Date | Approved by: Date

STD. DWG. No.

DWG. No. 5PD-002

ISO A1

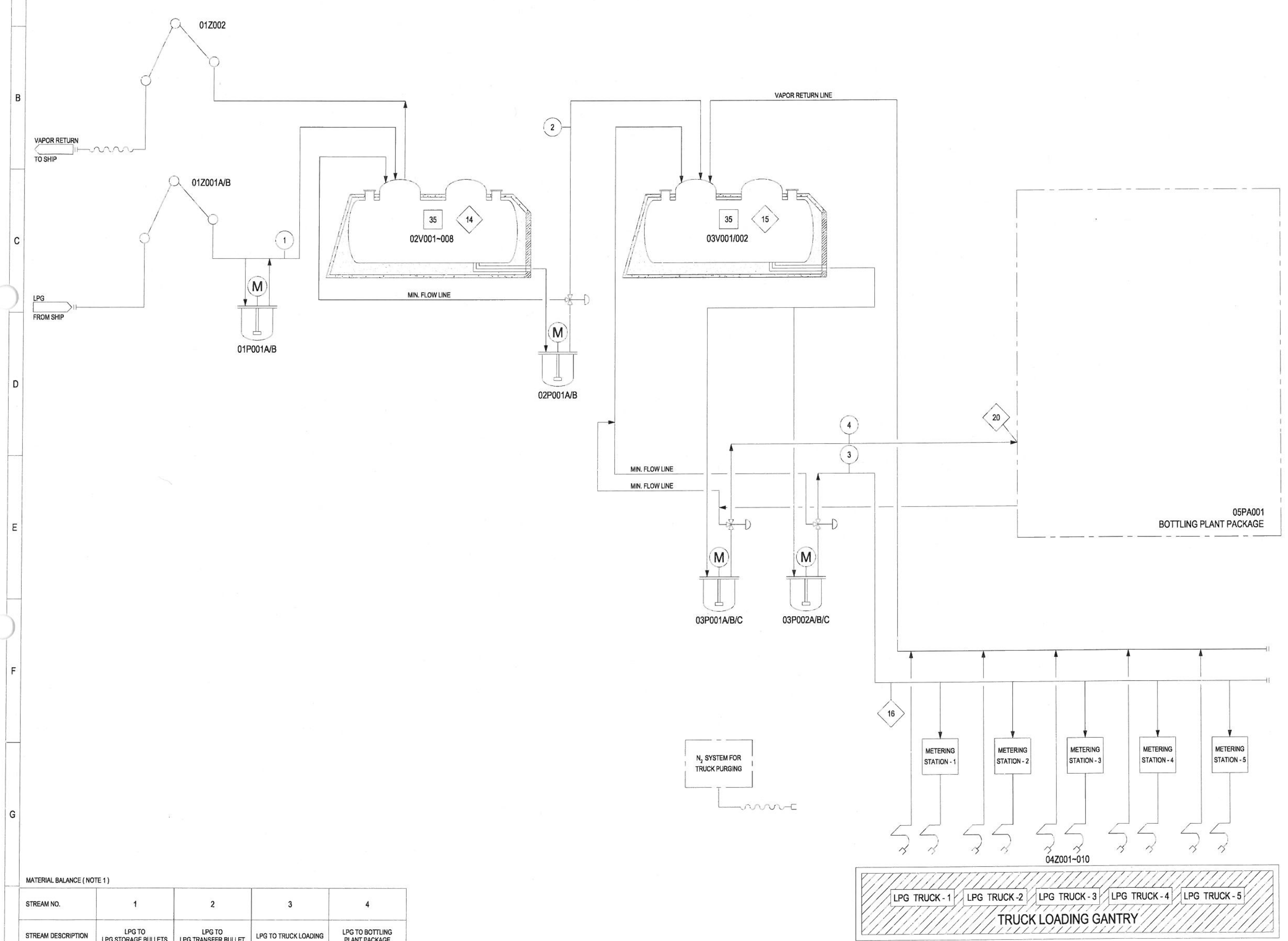
EQUIPMENT	01Z001A/B LPG UNLOADING ARM	01Z002 VAPOR RETURN LOADING ARM
DESIGN CAPACITY	1,000 m³/h	2,000 m³/h

EQUIPMENT	02V001~008 LPG STORAGE BULLET	03V001/002 LPG TRANSFER BULLET
ID x LENGTH	7.8 m x 71 m	6 m x 30 m
WORKING CAP.	1,400 MT	420 MT

EQUIPMENT	01P001A/B IMPORT BOOSTER PUMP	02P001A/B LPG STORAGE PUMP	03P002A/B/C LPG TRUCK LOADING PUMP	03P001A/B/C LPG BOTLING PUMP
DESIGN CAPACITY	2,000 m³/h	660 m³/h	500 m³/h	30 m³/h
DIFF. PRESS.	17 bar	6 bar	6 bar	10 bar

EQUIPMENT	04Z001~005 TRUCK LOADING ARM FOR LPG LIQUID	04Z006~010 TRUCK LOADING ARM FOR LPG VAPOR
DESIGN CAPACITY	125 m³/h	125 m³/h

EQUIPMENT	05PA001 BOTTLING PLANT PACKAGE
CAPACITY	30 m³/h



MATERIAL BALANCE (NOTE 1)

STREAM NO.	1	2	3	4
STREAM DESCRIPTION	LPG TO LPG STORAGE BULLETS	LPG TO LPG TRANSFER BULLET	LPG TO TRUCK LOADING	LPG TO BOTTLING PLANT PACKAGE
FLOW RATE (MT/month)	10,000	10,000	7,500	2,500
FLOW RATE (kg/d)	10,000,000	416,667	312,500	104,167
FLOW RATE (kg/h)	450,000-900,000	300,000	225,000	13,020
FLOW RATE (m³/h)	900-1,800	600	450	26

NOTES:

1) INDICATED FLOWRATE IS TOTAL FLOWRATE, NOT FOR INDIVIDAUL EQUIPMENT.

STREAM NUMBER

TEMPERATURE °C

PRESSURE barg

HEAT DUTY, Gcal/h

FLOW RATE, kg/h

NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0001

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10.04.13	INITIAL CONCEPT	WAH	SM	SM

Description: LPG LOADING ARMS & LPG BULLETS

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Drawn by: Date

Designed by: Date

Checked by: Date

Approved by: Date

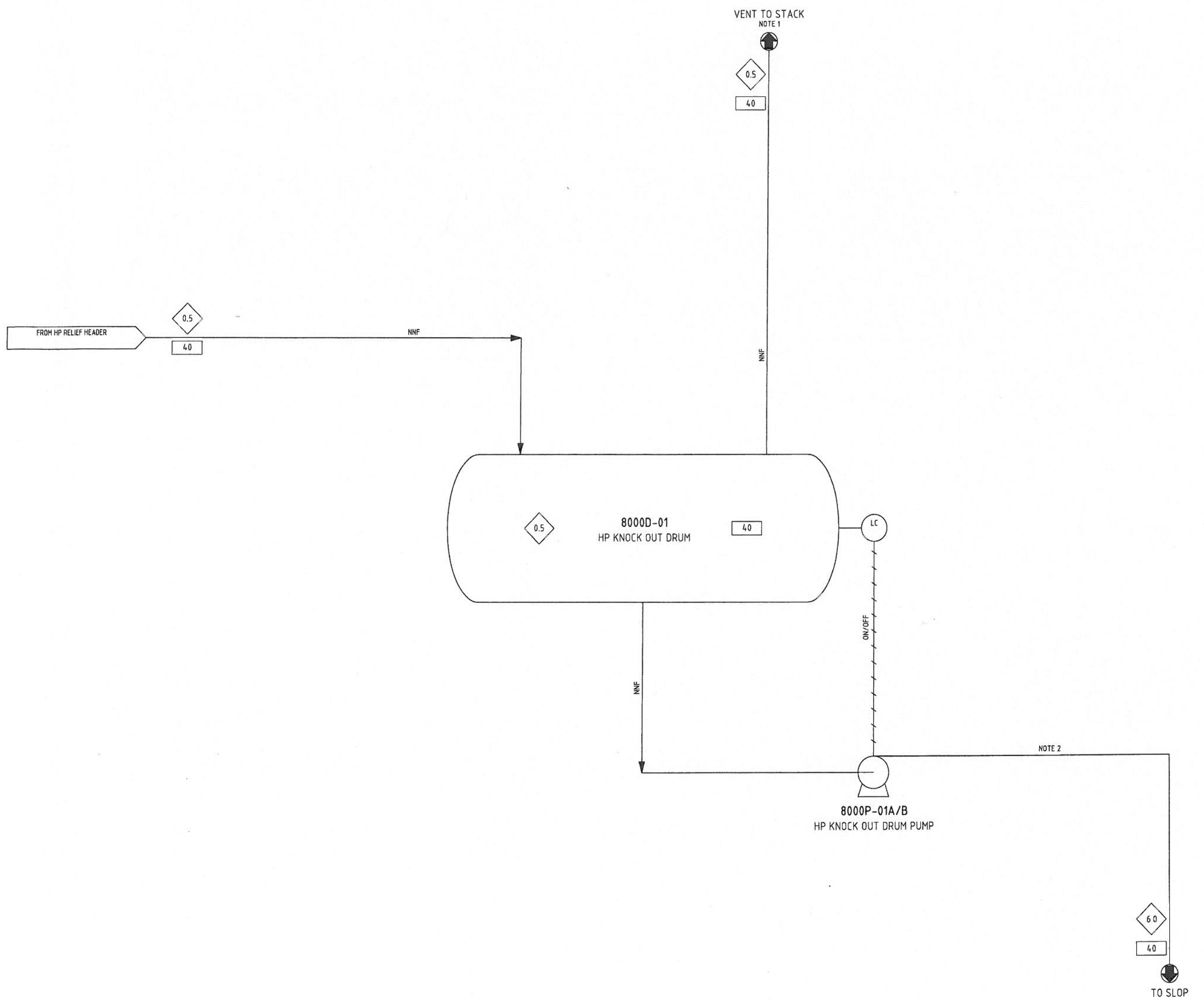
Rev No. A

Sheet No.

STD. DWG. No.

DWG. No. PAGE X

ISO A1



NOTES:
1 - THE STACKS ARE DESIGNED TO PROVIDE SAFE ATMOSPHERIC DISPERSION OF THE EFFLUENT.
2 - PUMP DISCHARGE PRESSURE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

STREAM NUMBER
TEMPERATURE ℃
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0002

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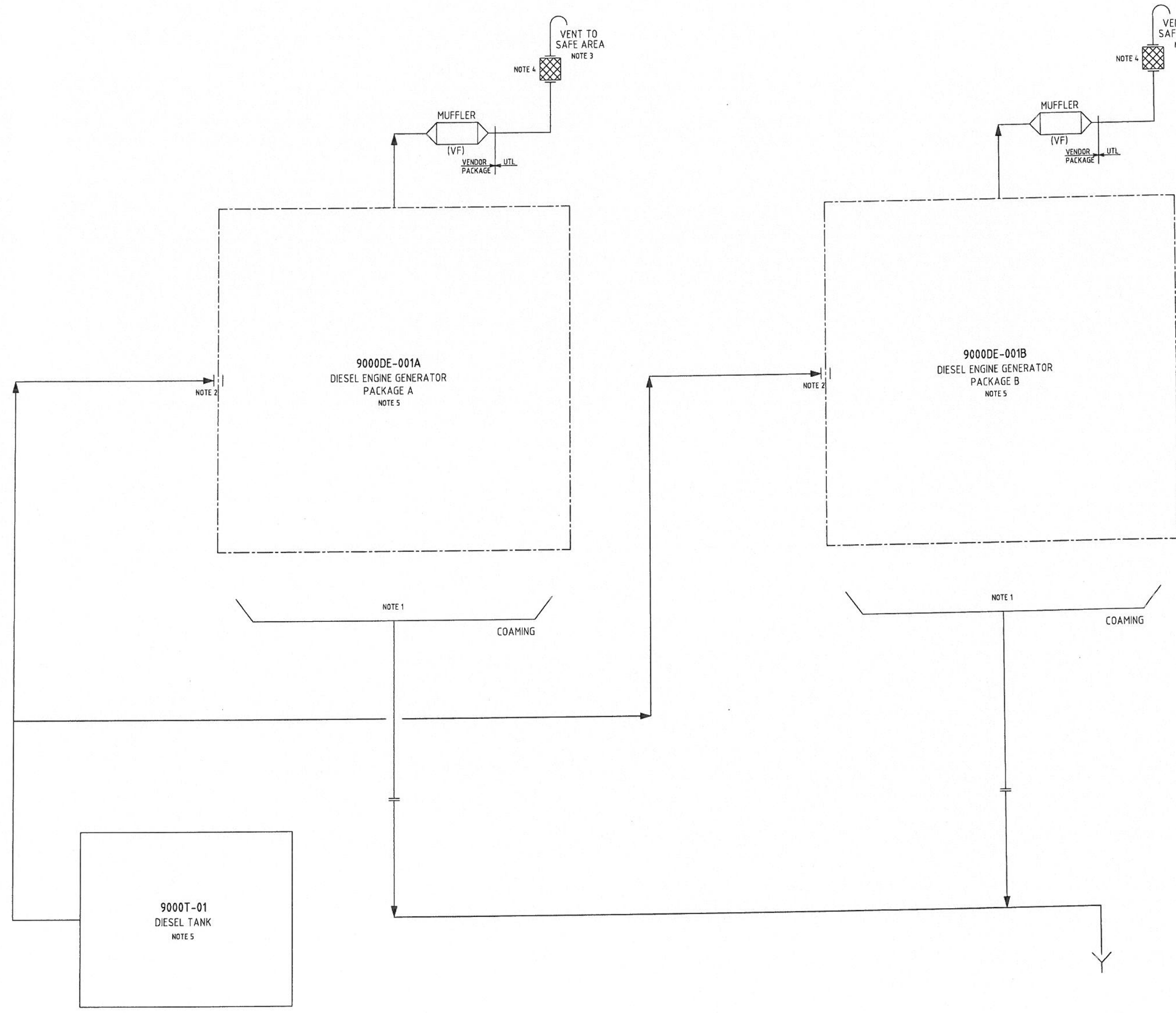
Description: U8000 - COLD VENT SYSTEM PROCESS FLOW DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Rev. No. A
Sheet No.
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date

STD. DWG. No.
DWG. No. 5FD-001

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - DRAIN LINE FROM DIESEL GENERATOR (HOLD).
2 - FILTERS WILL BE INSTALLED NEAR INLET FLANGE OF GENERATOR.
3 - VENT LOCATION AT LEAST 3.0 METERS FROM HAZARDOUS AREA CLASSIFICATION.
4 - FLAME ARRESTOR TO BE INSTALLED.
5 - DIESEL ENGINE SUPPLY TO RAW WATER SYSTEM AND FIRE WATER SYSTEM.

STREAM NUMBER
TEMPERATURE t
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-D003

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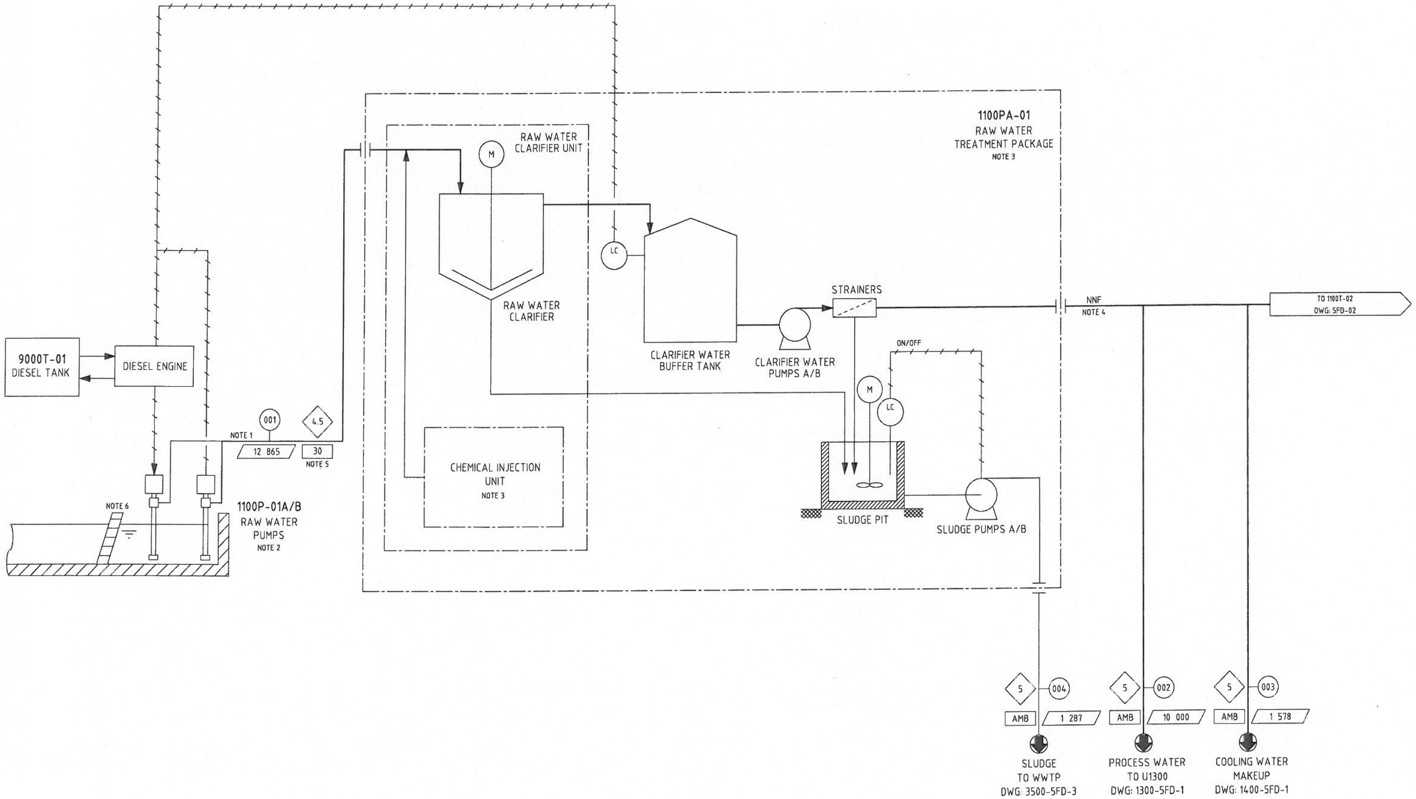
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Description	Project no. 05-96-14832		Unit
U9000 - DIESEL ENGINE GENERATOR SYSTEM PROCESS FLOW DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	Rev. No. A
	Designed by:	Date	
STD. DWG. No.	Checked by:	Date	Sheet No.
DWG. No. 5FD-001	Approved by:	Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - UNDERGROUND PIPE.
2 - ONE ELECTRICAL DRIVEN PUMP AND ONE STAND BY DIESEL DRIVEN PUMP.
3 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
4 - MAXIMUM FLOWRATE OF 39,850 kg/h TO BE USED FOR HYDRAULIC SIZING.
5 - TO BE ASSUMED RAW WATER TEMPERATURE FROM YANGING RIVER IS 30 DEG C.
6 - BAR SCREEN TO REMOVE LARGE OBJECTS FROM THE RIVER.

STREAM NUMBER
TEMPERATURE ℃
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0004

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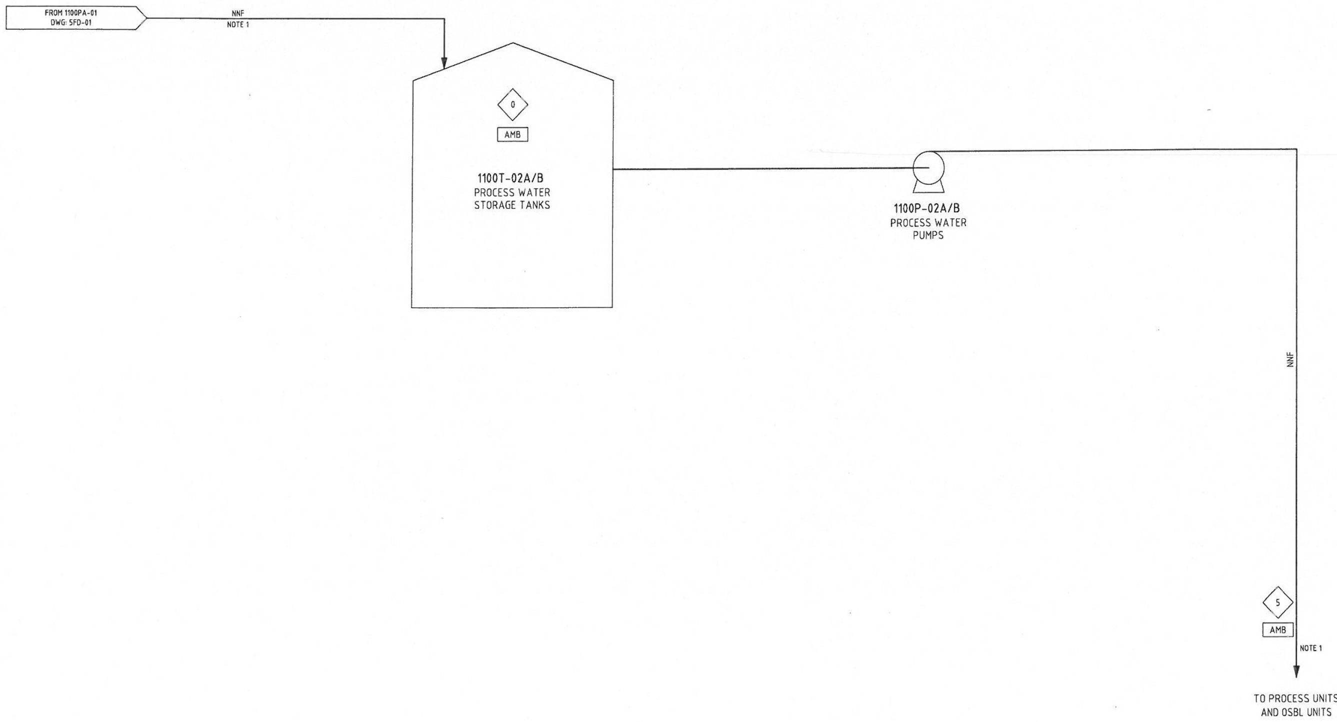
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Description	Project no. 05-96-14832	Unit
U1100 - RAW WATER TREATMENT UNIT PROCESS FLOW DIAGRAM	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
STD. DWG. No.	Designed by: / Date	
	Checked by: / Date	Sheet No.
DWG. No. SFD-001	Approved by: / Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:
1 - MAXIMUM FLOWRATE OF 39,850 kg/h TO BE USED FOR HYDRAULIC SIZING.

STREAM NUMBER
TEMPERATURE ℃
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-C004

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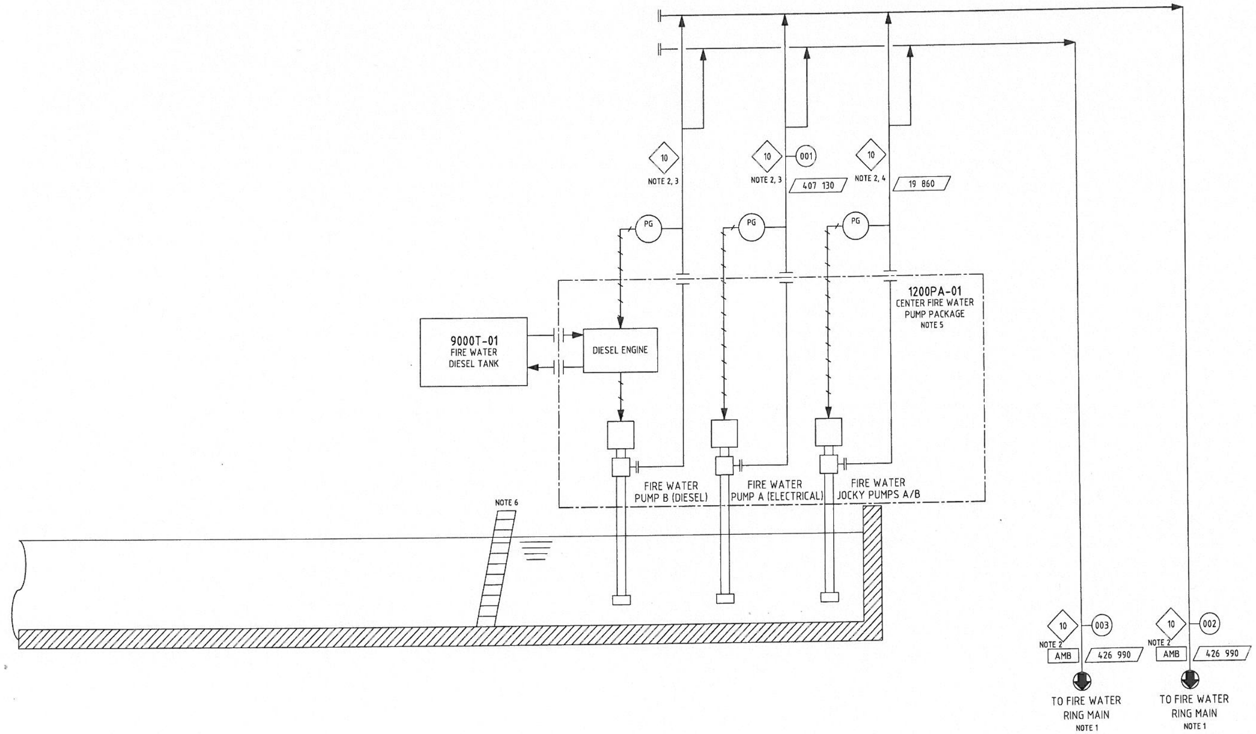
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Description	Project no. 05-96-14832		Unit
U1100 - RAW WATER TREATMENT UNIT PROCESS FLOW DIAGRAM	Acad File Name		Scale N/A
	Drawn by:	Date	Rev. No. A
STD. DWG. No.	Designed by:	Date	
	Checked by:	Date	Sheet No.
DWG. No. 5FD-002	Approved by:	Date	

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

ISO A1



NOTES:

1 - TO BE CONFIRMED BY FIRE WATER STUDY.
2 - MINIMUM OPERATING PRESSURE IS 10 barg
3 - MASS FLOW RATE OF 447,843 kg/h TO BE USED FOR PUMP AND HYDRAULIC SIZING FOR DIESEL FIRE WATER PUMP B
4 - MASS FLOW RATE OF 21,846 kg/h TO BE USED FOR PUMP AND HYDRAULIC SIZING FOR FIRE WATER JOCKEY PUMP A/B
5 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
6 - BAR SCREEN TO REMOVE LARGE OBJECTS FROM THE RIVER.

STREAM NUMBER
TEMPERATURE t
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-D005

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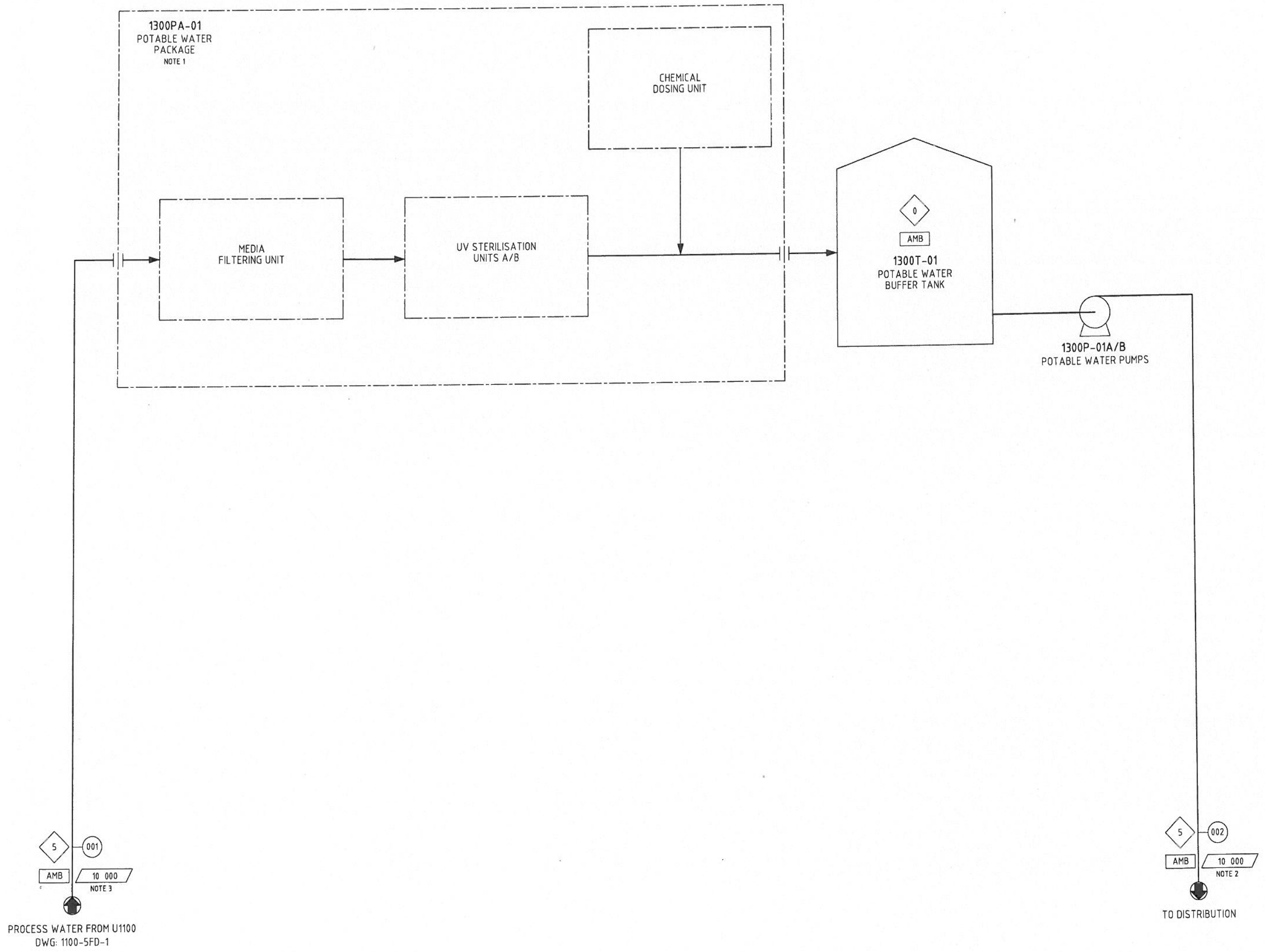
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1200 - FIRE WATER SYSTEM PROCESS FLOW DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Rev. No. A
Sheet No.
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date

STD. DWG. No.
DWG. No. 5FD-001

ISO A1



NOTES:

1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - MAXIMUM FLOWRATE OF 10,000 kg/h TO BE USED FOR HYDRAULIC SIZING.
3 - ESTIMATED WATER CONSUMPTION 90 LITRES PER PEOPLE PER DAY FOR 50 PEOPLE.

STREAM NUMBER
TEMPERATURE °C
PRESSURE bar g
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0006

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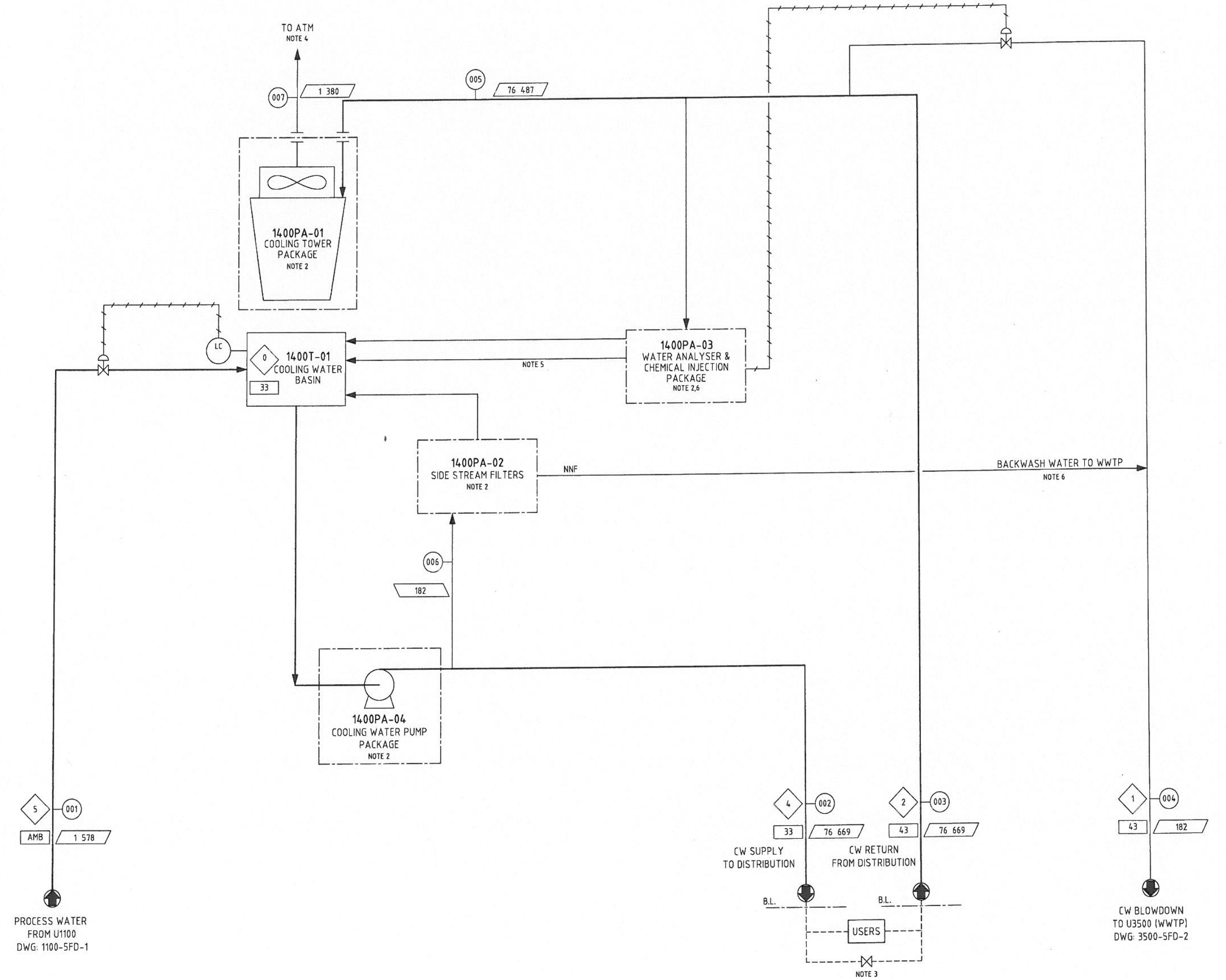
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1300 - POTABLE WATER SYSTEM PROCESS FLOW DIAGRAM

Project no. 05-96-14832
Unit
Acad File Name
Scale N/A
Drawn by: Date
Designed by: Date
Checked by: Date
Approved by: Date
Rev. No. A
Sheet No.

STD. DWG. No.
DWG. No. 5FD-001

ISO A1



NOTES:

1 - MAXIMUM FLOWRATE OF 182 kg/h TO BE USED FOR HYDRAULIC SIZING.
2 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
3 - FLUSHING LINE. BYPASS VALVE TO BE ACCESSIBLE.
4 - EVAPORATION & DRIFT LOSS.
5 - THIS STREAM REPRESENTS ALL CHEMICAL INJECTION LINES FROM THE PACKAGE.
6 - ANALYSER TO BE PROVIDED FOR CONTROLLING WATER pH AND HARDNESS. TO BE CONFIRMED BY VENDOR.

STREAM NUMBER
TEMPERATURE °C
PRESSURE bar g
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0007

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U1400 - COOLING WATER SYSTEM PROCESS FLOW DIAGRAM

Project no. 05-96-14832

Unit

Acad File Name

Scale N/A

Drawn by: Date

Designed by: Date

Rev. No. A

Checked by: Date

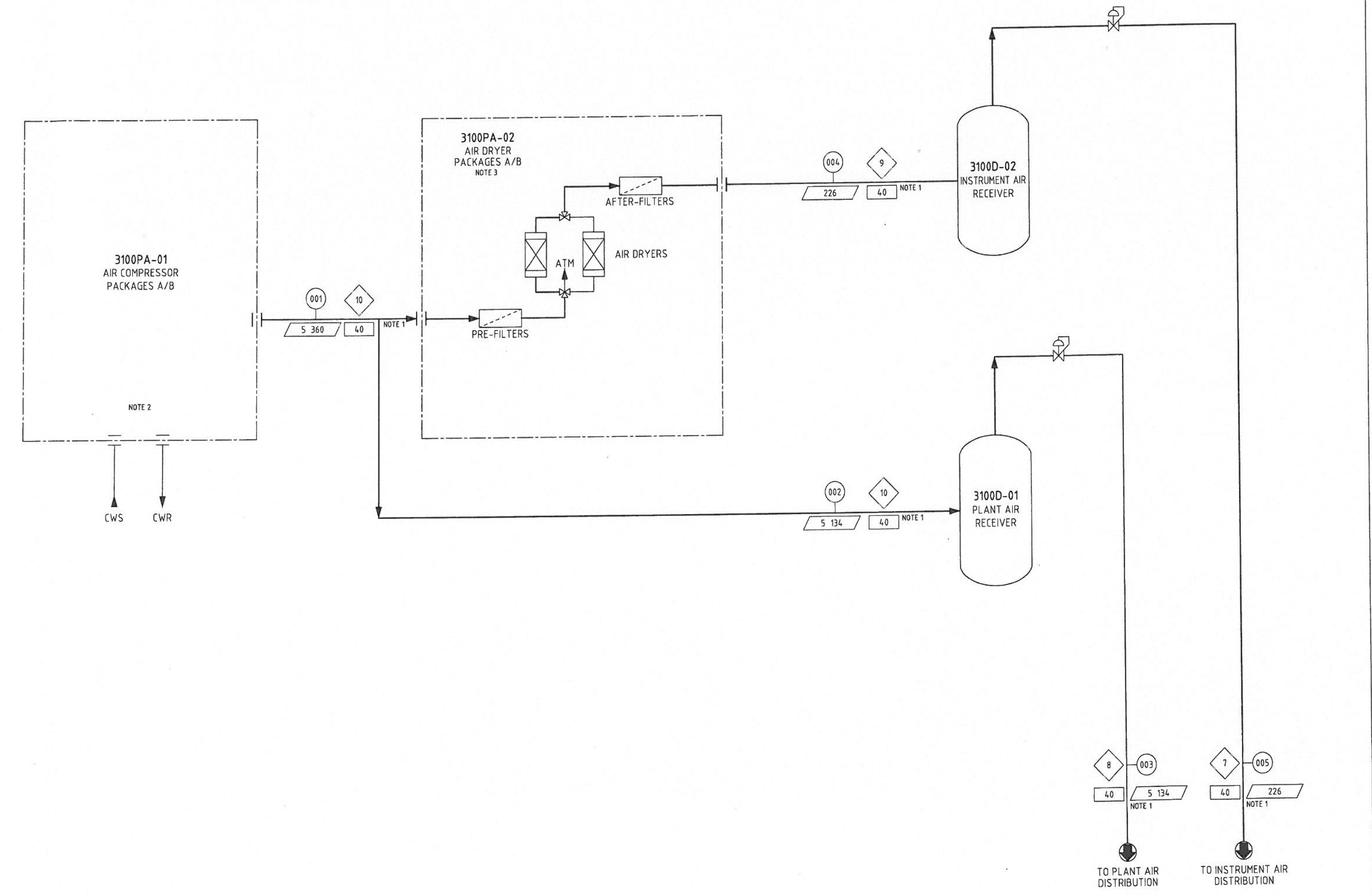
Sheet No.

Approved by: Date

STD. DWG. No.

DWG. No. 5FD-001

ISO A1



NOTES:

1 - INDICATIVE FLOW RATE BASED ON DRY BASIS.
2 - TWO PLANT AIR COMPRESSORS CONFIGURED IN 1 DUTY/ 1 STAND-BY (2x100%).
3 - AIR DRYER PACKAGES.
4 - DETAILS TO BE CONFIRMED BY VENDOR

STREAM NUMBER
TEMPERATURE ℃
PRESSURE barg
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

0008

Document-ID UT-PR-000-FB-0008

XX-XX-XXXXX-XXXX

Uhde

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A	10/04/13	INITIAL CONCEPT	KNL	SM	SM	
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED	

Description: U3100 - PLANT AIR/INSTRUMENT AIR PROCESS FLOW DIAGRAM

Project no. 05-96-14832

Unit

Acad File Name

Scale N/A

Drawn by: Date

Designed by: Date

Checked by: Date

Approved by: Date

Rev. No. A

Sheet No.

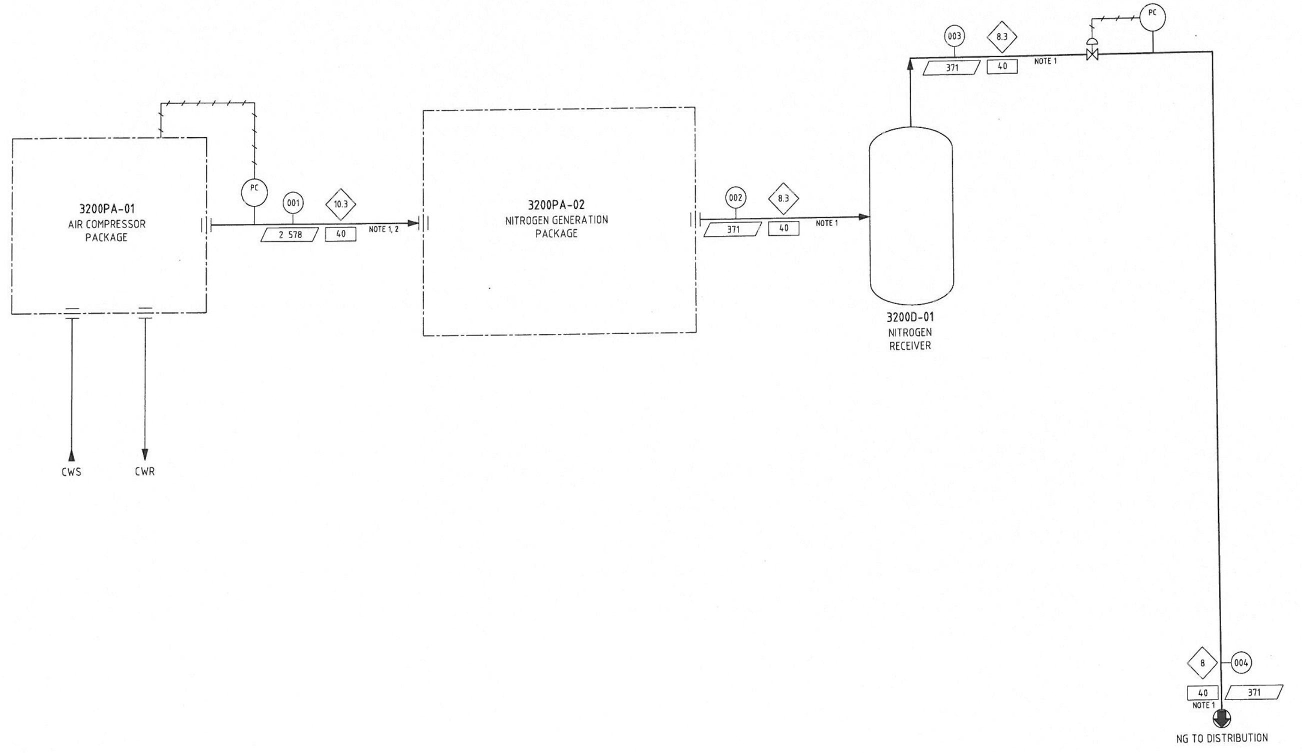
STD. DWG. No.

DWG. No. 5FD-001

ISO A1

NOTES:

1 - INDICATED FLOW RATE BASED ON DRY BASIS (WATER FREE).
2 - REQUIRED AIR FLOW RATE FOR NITROGEN GENERATION PACKAGE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR ON INFORMATION FROM SELECTED VENDOR.



○	STREAM NUMBER
▭	TEMPERATURE ℃
◇	PRESSURE barg
▭	HEAT DUTY, Gcal/h
▱	FLOW RATE, kg/h
NNF :	NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0009

XX-XX-XXXXX-XXXX

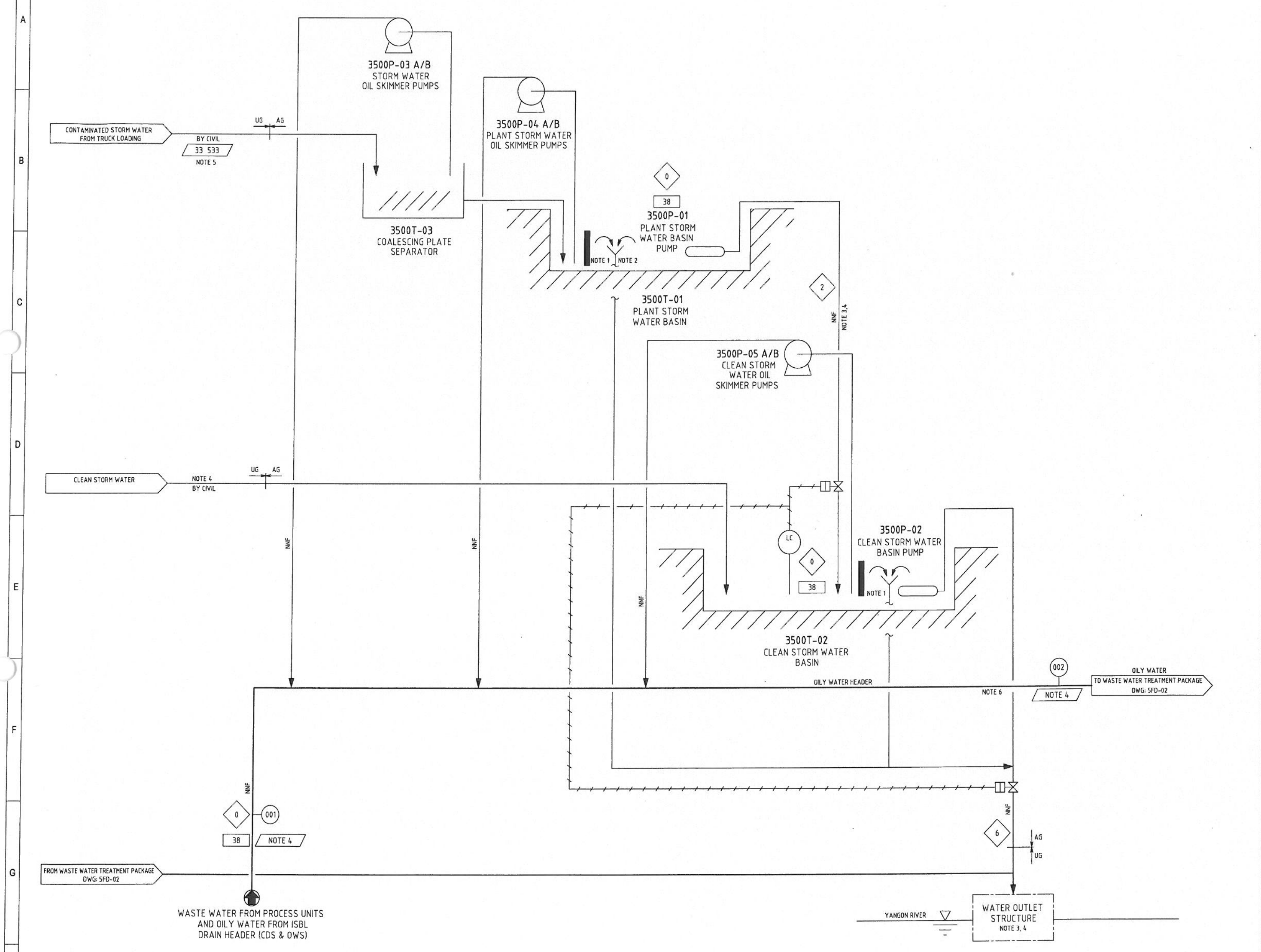
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CONFIDENTIAL

A	10/04/13	INITIAL CONCEPT	KNL	SM	SM	
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED	

Description: U3200 - NITROGEN SUPPLY PROCESS FLOW DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
	Designed by: / Date	
STD. DWG. No.	Checked by: / Date	Sheet No.
DWG. No. 5FD-001	Approved by: / Date	

ISO A1



NOTES:

1 - UNDER FLOW BAFFLE.
2 - WHEN PLANT STORM WATER BASIN FULL 'SECOND FLUSH' OVERFLOWS TO CLEAN STORM WATER BASIN OR DIRECT TO RIVER DISCHARGE.
3 - FLOW RATE BASED ON 1-HOUR STORM WORKED DOWN OVER A 24-HOUR PERIOD.
4 - FLOW RATE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
5 - CONSIDER 10 MINS FOR CONTAMINATED STORM WATER.

STREAM NUMBER
TEMPERATURE °C
PRESSURE bar g
HEAT DUTY, Gcal/h
FLOW RATE, kg/h
NNF : NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0010

XX-XX-XXXXX-XXXX

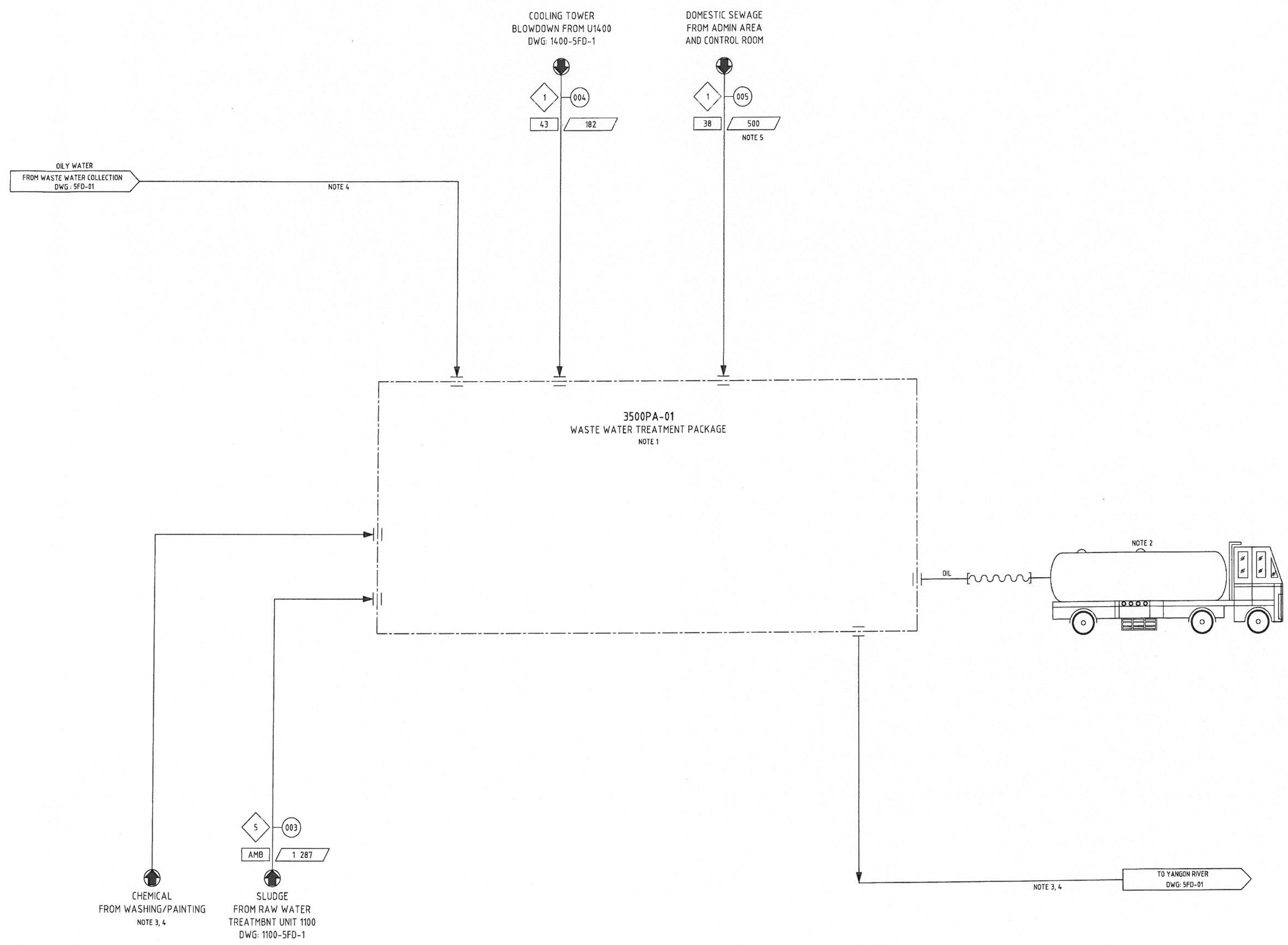
Uhde

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A	10/04/13	INITIAL CONCEPT	KNL	SM	SM
REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED

Description: U3500 - WASTE WATER COLLECTION PROCESS FLOW DIAGRAM

Project no. 05-96-14832
Acad File Name
Unit
Scale N/A
Drawn by: Date
Designed by: Date
Rev. No. A
Checked by: Date
Approved by: Date
Sheet No.
STD. DWG. No.
DWG. No. 5FD-001
ISO A1



NOTES:

1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - ROAD TANKER TO OFF-SITE DISPOSAL.
3 - TO BE CONFIRMED BY VENDOR.
4 - TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.
5 - ESTIMATED DOMESTIC SEWAGE 10 KG PER PEOPLE PER HOUR FOR 50 PEOPLE.

Symbol	Meaning
○	STREAM NUMBER
▭	TEMPERATURE °C
◇	PRESSURE bar g
▭	HEAT DUTY, Gcal/h
▱	FLOW RATE, kg/h
NNF :	NORMALLY NO FLOW

Document-ID UT-PR-000-FB-0010

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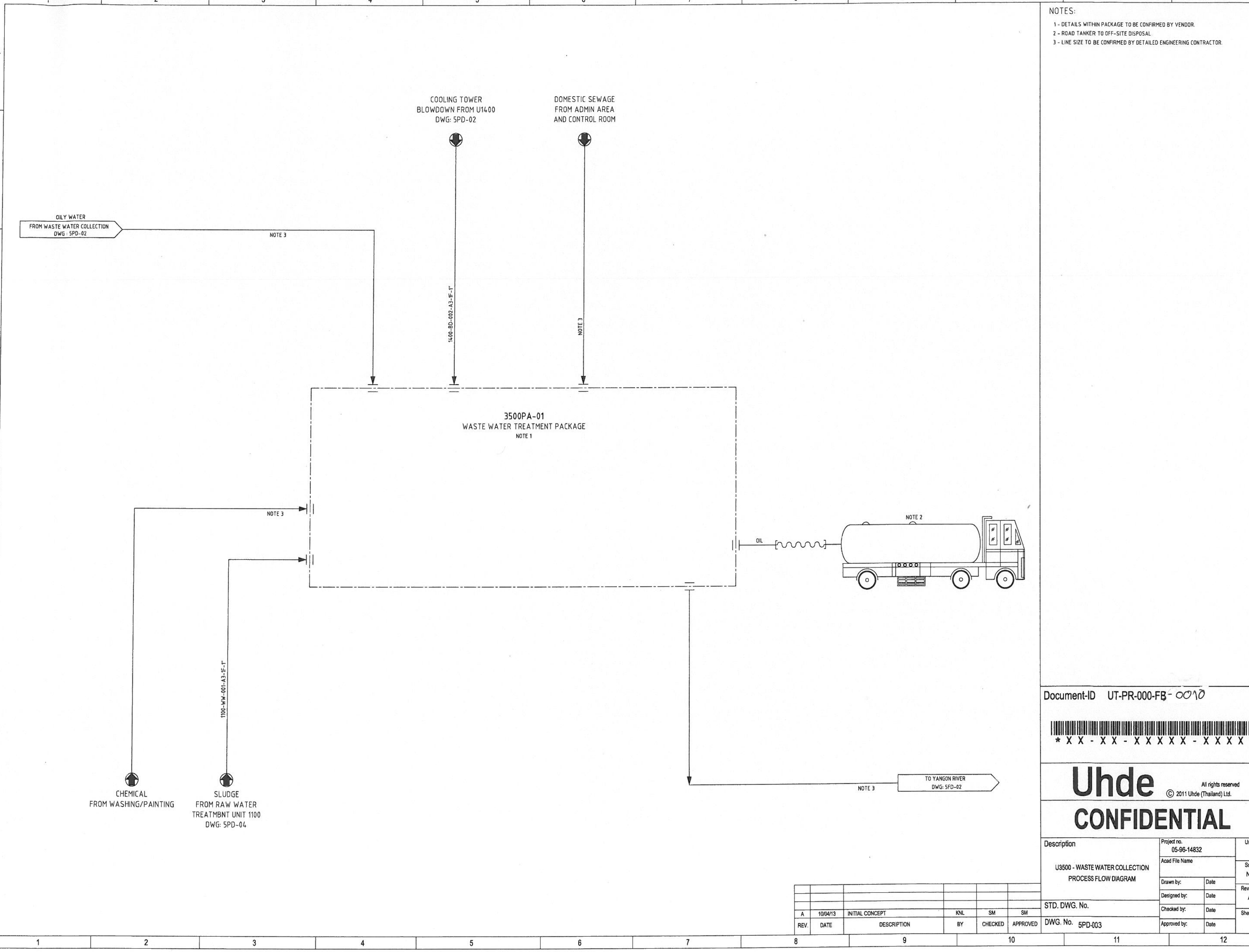
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REV	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3500 - WASTE WATER COLLECTION PROCESS FLOW DIAGRAM	Project no. 05-96-14832	Unit
	Acad File Name	Scale N/A
	Drawn by: / Date	Rev. No. A
STD. DWG. No.	Designed by: / Date	
	Checked by: / Date	Sheet No.
DWG. No. 5FD-002	Approved by: / Date	

ISO A1



NOTES:
1 - DETAILS WITHIN PACKAGE TO BE CONFIRMED BY VENDOR.
2 - ROAD TANKER TO OFF-SITE DISPOSAL.
3 - LINE SIZE TO BE CONFIRMED BY DETAILED ENGINEERING CONTRACTOR.

Document-ID UT-PR-000-FB- 0010

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REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
A	10/04/13	INITIAL CONCEPT	KNL	SM	SM

Description: U3500 - WASTE WATER COLLECTION PROCESS FLOW DIAGRAM

Project no. 05-96-14832

Acad File Name

Unit

Scale N/A

Drawn by: | Date

Designed by: | Date

Checked by: | Date

Approved by: | Date

Rev. No. A

Sheet No.

STD. DWG. No.

DWG. No. 5PD-003

ISO A1

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Equipment List

Unit 1100 Raw Water Treatment Unit

Project Name	Thailawa LPG Terminal and Storage Facility
Project Number	05-96-14832
Document Number	UT-PR-000-PD-0001

Uhde Shedden (Australia) Pty Ltd
A.B.N. 23 006 732 583

A	**INITIAL CONCEPT**	**10/04/13**	**JDA**		**KNL**		**SM**		**SM**	
REV	DESCRIPTION	Date	INIT	SIGN	INIT	SIGN	INIT	SIGN	INIT	SIGN
			PREPARED		CHECKED		REVIEWED		APPROVED	

ThyssenKrupp Industrial Solutions	Specification 4 x 750 MT Capacity Mounded LPG Storage Vessels	Client / Project Ava Kahyasi / Thilawa Loading and Storage Facility	
		UAN 05-96-14832	Attached pages total 1 of 23

Specification 4 x 750 MT Capacity Mounded LPG Storage Vessels

01	C	Issue for Review	10.11.14	SM					
00	C	Issue for Review		SM					
Rev	Status	Description	Date	Prepared	Date	Checked	Date	Approved	Acc.

CC Category Code:
1 = for approval
2 = for review
3 = for information
4 = for internal use

AC Acceptance Code:
1 = approved / reviewed
2 = approved / reviewed as noted
3 = not accepted
4 = received

Status Code:
A Issue for information
B Issue for design
C Issue for review
D Issue for approval
E Issue for internal use
F Issued for inquiry
G Issued for order placement
K Issued for prefabrication
L Issued for construction / fab.
M General issue
V Cancelled document (void)
I As built

	Doc. ID-Code **UT-PM-000-BD-0002**	Category **3**

CONTENTS

1. SCOPE OF WORK & DESIGN PARAMETERS

1.1 INTRODUCTION

This Procedure defines the physical Specification 4 x 750 MT Capacity Mounded LPG Storage Vessels. Four (4) off 750MT Mounded LPG storage vessel will be installed at Myanmar. The plant will receive 3,000MT of pressurised LPG per month by ship, where it will be stored before being distributed by tanker truck and bottles to supply the needs of the local market.

The CONTRACTOR shall provide all services, documentation, equipment and materials required to comply with this specification and all associated documents. The CONTRACTOR must fully comply with the requirements specified herein. TKIS is under no obligation to consider, accept or find any deviations to the requirements. Any deviations shall be listed on the deviation list and submitted with the quotation.

1.2 DEFINITION

TKIS	ThyssenKrupp Industrial Solutions (Thailand) Ltd.
CONTRACTOR	The party who is responsible for the supply and services of the requested equipment in accordance with this specification and the applicable Codes and Standards.
A.I.	ASME Authorized Inspector
TPIA	Third Party Inspection Agency
QAP	Quality Assurance Plan
PROJECT	Thilawa Loading and Storage Facility Project

1.3 SCOPE OF THE WORK IN GENERAL

The scope of work includes the following;

A. TKIS will issue the following data, based on which the contractor shall prepare detailed working / fabrication drawings and Quality Assurance Plans.

1. General arrangement drawing for the bullet indicating nozzle details, vessel parameters like diameter, thickness etc.

2. Foundation drawing for the civil works.

TKIS will issue one hard copy of the above drawings.

B. The contractor shall develop further fabrication / working / construction drawings for the ENTIRE MOUND INCLUDING CIVIL WORKS based on the above data / documents and obtain approval.

C. General arrangement drawing for the civil works of the mounded storage duly approved by the TPIA.

D. Carrying out Fabrication, Erection, Testing & Commissioning of Mounded Storage Vessels as per the approved drawings, designs and QAP.

E. Procurement and Supply of all materials like Other Steel Plates, Various fittings like Nozzles, Flanges as required for the fabrication of Pressure Vessel in accordance with the approved specifications as per ASME VIII DIV 2 with code stamp and approved drawings. All Instruments / Fittings to be provided should be as per specs given in the specification.

F. Construction of Dome for nozzles.

G. Preparing & submitting the Quality Assurance (QA) Plan to TKIS for approval, for executing the entire job. Comments of TKIS shall be incorporated and executed at NO EXTRA COST. Stage Wise Inspection shall be carried out by TKIS.

H. Execution of Fabrication, welding, stress relieving, NDT etc. of entire storage Pressure Vessel with stage wise Inspection from TKIS as per approved Quality Assurance Plan.

I. 100% Radiography before and after Stress Relieving, 100% Stress Relieving, Wet Fluorescent Magnetic Particle Inspection/Testing (WMPI) after Stress Relieving, Hydro-testing of the Vessel at appropriate stages as per BS code. WMPI shall be carried out for both Internal & external surface of the weld joints. Hardness test shall be carried out for heat affected zone (HAZ).

J. Please note that civil works related to the project like excavation, sand filling, retaining wall and tunnel construction, laying of terram and UPVC sheet, PVC drains, stone pitching etc. are NOT in the scope of the contractor and shall be done by others. However the following activities are in the scope of this job.

    1. Cutting of profile in sand bed to match the bottom of vessel.

    2. Digging necessary bed for welding and NDT of field joints and backfilling and compacting of the same are also to be done vendor

K. The instrumentation and gauging system is not in the scope of this job.

1.4 MISCELLANEOUS:

1. Insurance for all Transportation jobs & erection of Pressure Vessels will be arranged by the vendor at their own cost. TKIS will have no liability till completion & handing over of the vessels. In case of any damage is caused to the Pressure Vessels during the Transportation/ Loading/ Unloading / fabrication, the same shall be repaired & made good in accordance with relevant Code at their own cost and to be approved by TPIA.

2. Fabrication of Mounded Storage Vessels as per approved Drawings.

3. Stage wise Inspection / Certification by Third Party Inspection covering approval of Design, Drawings, Material, Fabrication, Testing of Pressure Vessels, Fittings and Complete Vessel.

4. All drawings should be submitted to TKIS/TPIA for approval before commencement of the required activity.

5. Cleaning and painting of the bullet as detailed in the 2.3.

6. Vendor will be required to furnish Six sets of final Fabrication (As-built) drawings and duly stamped by Third Party Inspection Agency and one set of reproducible tracings of Fabrication drawings to TKIS for their records.

7. Vendor will also furnish original copy of Certificates of Control issued by Third Party Inspection Agency and all other Test certificates to TKIS.

8. Setting up of permanent Bench Marks required to measure the settlement of vessel at the time of hydrotest and recording of settlement readings as per format approved by TPIA.

9. Water for Hydro-testing and any other purpose shall be arranged by the contractor at their own cost.

10. Power required for Vendor's work & lighting at our Site shall be arranged by the Vendor at their cost.

11. Preparation and submission of calibration charts using theoretical method and liquid calibration method. The vessels shall be calibrated just before final handing over and shall have the approval of both the local weights and measures dept. Only reputed parties, approved by TKIS, shall be engaged for calibration of the vessel. Contractor shall obtain prior approval of TKIS for the calibration procedure. Rates quoted shall include calibration of the vessels.

12. The vessels, foundation etc. shall be designed for suitable seismic Zone.

1.5 DESIGN PARAMETERS / MATERIAL SPECIFICATIONS

1.4.1 VESSEL

1. Storage Capacity of LPG : 750 MT each

2. Volumetric Water Capacity : 1442 M3

3. Density of LPG : 0.50 gm/cc

4. Design code : ASME VIII DIV. 2 Latest Edition
   Fabrication & Testing : ASME VIII DIV. 2 Latest Edition

5. Design Pressure (Internal/External) : 14.5 Kg/cm² Gauge at Top
   : 1.856 kg/cm² (mm. FV + weight of Mound)

6. Design Temperature	: - 27° C to + 55° C
7. Hydraulic Test Pressure	: As per code
8. Radiography	: 100% before and after PWHT
9. Corrosion Allowance	: 1.5 mm
10. Post weld Heat Treatment	: Required
11. Wet Fluorescent Magnetic Particle Testing	: Required after PWHT
12. Hardness checking of HAZ	: Required after PWHT
13. Mapping of plate thickness	: Required
14. Joint efficiency	: 1
15. Length of Pressure Vessel	: 51000 mm (approx)
16. Dia of Vessel	: 6000 mm (approx)
17. Dished Ends	: Hemispherical

Notes:

1. All Openings will be of Flanged type with Nozzle Construction.
2. As the bottom 120 deg. Area is not accessible at hydro test, the weld joints in this region shall be ultrasonically tested followed by DP testing after hydro test.
3. All Pressure parts shall meet the Design Code Requirements for Impact testing as per ASME VIII DIV. 2 (latest edition).

1.4.2 MATERIAL SPECIFICATIONS:

1. Shell, Dished Ends, Stiffener rings, Pad plates, Cleats etc.	: SA 537 Cl.1
2. Nozzles	: SA 333 Gr. 6
3. Flanges	: SA 350 Gr. LF2 – 300 lbs. Weld neck raised face dimensions as per ANSI B16.5
4. Couplings	: SA 350 Gr. LF2 6000 lbs.
5. Bolts/Nuts	: SA 320 Gr. L7 or SA 194 Gr. 4 / Gr. 7
6. Gaskets	: SS 316 Spiral Wound Asbestos filled.
7. Ladder, staircase, Benchmark pipe	: SA36, SA53GR.B/APL 5L Gr.B

1.4.3 Nozzles:

Following Nozzles shall be provided by the Vendor on each Pressure Vessel. Final orientation of all Nozzles will be given by TKIS at the time of approval of Fabrication drawings. The Liquid Inlet/OTKISet Nozzle shall extend up to approx. 3 m from the face of vessels & shall have no flange Joint except at the end. It shall be adequately supported & shall be stress relieved & Hydro tested.

All Nozzles should be provided with SA 350 Gr. LF2, 300 lbs. RF WNRF & blind Flanges.

1. 750 mm dia Manhole with cover : 2 no.
2. 300 mm dia Nozzle for Liquid receipt withdrawal line at bottom : 1 no.
3. 100 mm dia Nozzle for Liquid return at Top : 1 no.
4. 150 NB Nozzle for Servo Gauges along with stilling well / dip pipe : 2 no.
5. 150 NB Nozzle for Radar gauge : 1 no.
6. 2" Nozzle for Pressure Gauge / Transmitter at Top. : 1 no.
7. 2" Nozzle for Avg. Temperature Gauge / Transmitter at top : 1 no.
8. 80 mm dia Nozzles for Vapour line on Top (1 Nozzle with Dip pipe) : 2 nos.
9. 100mm dia Nozzle for Safety valves on TOP : 2 nos.
10. Spare nozzle 2” : 1 no.
11. 100 mm dia Nozzles for High Level Alarm with Dip pipe : 1 no.
    Lifting lugs suitably spaced on the top : As Required.
12. Cleats as required for providing platforms wherever required. : As per Operating approved drawing.

1.4.4 MISC. REQUIREMENTS:

1. Earthing Boss and CP Connection : As per approved drawing.
2. Name plate with following details : 1 no. per Vessel.
   A. Manufacturer's name
   B. Manufactured for
   C. Designed by
   D. Design code

E. Design pressure

F. Design temperature

G. Date of first hydro testing

H. Capacity & size of vessel

I. Water capacity

J. Empty weight

K. Corrosion Allowance

L. Radiography

M. Stress Relieving

N. Inspected by

O. Certificate number

P. Drawing number

Q. Vessel serial number

In addition to providing the name plate, the following details are to be punched on the manhole flange ring.

1. Design code
2. Design pressure
3. Test pressure
4. Date of first test
5. Inspected by
6. Certificate number
7. Drawing number

1.6 SCOPE OF THIRD PARTY INSPECTION (TO BE APPOINTED BY TKIS):

1. Identification of raw material, Instruments etc. with respect to Test Certificates & Checking of forming of plates, edge preparation and mock assemblies.
2. Verification of welding procedures and carrying out welder qualification tests.
3. Stage-wise Inspection during fabrication of Vessels.

4. Inspection of components at Vendor's works.
5. Approval of all weld set ups and back chipping.
6. Examination of radiographs and supervision of repairs where necessary.
7. Approval of the design calculations of CP installation and the stage-wise inspection of execution.
8. Approval of stress relieving.
9. Attendance to other non-destructive tests and such hardness measurements, magnetic flux tests and ultrasonic tests where specified.
10. Inspection of assembly.
11. Final dimensional checks.
12. Attendance of hydraulic and pneumatic tests.
13. Inspection of cleaning and painting.
14. Issue of certificate of control.
15. Issue of Inspection reports.
16. Any other items of Inspection not covered above but required as per Inspection Agency / Design Code / Statutory requirements shall also form part of this Scope of Work and the same shall also be covered in the quoted rates.

2. TECHNICAL SPECIFICATIONS

2.1 BOILER QUALITY STEEL PLATES FOR MOUNDED BULLETS

1. TKIS shall perform basic design and issue drawings to contractor, who shall fabricate the vessels making use of the above plates of SA 537 Cl.1 and above mentioned size and thickness.
2. Production test Coupon tests shall be carried out by the contractor as per the following requirement without any additional cost to TKIS.

   A. Number of PTC required per vessel :

   For Longitudinal Seams : One no. / Welder / Procedure / Heat

   For Circumferential Seams : One no. / Welder / Procedure / Heat

   B. PTC Testing Requirement

   2 – Transverse Tensile Test

1 – all weld tensile test

4 – Bends (2 root & 2 face) test.

Micro, Macro, Hardness & Impact (weld, HAZ)

2.2 ADDITIONAL TECHNICAL SPECFICATIONS FOR FABRICATION / MATERIALS.

1. All bolt holes of flanges shall straddle the principal center axes.
2. All butt welds shall be full penetration joints. Wherever back chipping is not feasible, root run shall be carried out by GTAW.
3. All nozzle flanges shall be as per ANSI B16.5 standard.
4. Manhole flanges as per as per ANSI B16.47 Series B
5. The gasket seating surfaces of all nozzles and man ways to have 125 RMS finish.
6. The vessel to have a slope of 1:200 between the ends with respect to True horizontal. However man way/ nozzle flange faces except the Liquid receipt nozzle N1 shall be parallel to true horizontal. The flange face of Liquid receipt nozzle shall be perpendicular to the horizontal.
7. All nozzles on the tank shall be provided with 2 nos. stiffners of 100 x20 thk at 90 deg. Apart.
8. All sharp edges/corners to be rounded off.
9. All welded attachments to the tank to be welded before post weld heat treatment.
10. Prior of hydrotest, all weld spatter, metal dust etc. shall be removed from the tank. During hydrotest, tank is to be supported on sand bed.
11. Production test coupon shall be provided in line with requirements as mentioned in technical specifications.
12. Radiography shall be carried out before and after post weld post weld heat treatment. And wet fluorescent magnetic particle testing of welds shall be carried out after post weld post weld heat treatment.
13. All forgings and nozzle flanges shall be MP/DP tested after machining. 10 dia. Antisiphon / vent hole shall be provided on all dip pipes near the top inside the vessel except temperature guage nozzle.
14. Portion of tank covered with sand during hydrotest shall be ultrasonically tested before placement on sand bed.
15. Hardness test shall be carried out for Heat affected Zone and all weld metal after PWHT.

16. Nozzle necks fabricated from plates to be fully radiographed.

17. All weld metal and HAZ for procedure and production test coupons shall be impact tested.

18. Forgings, pipes and fittings to be impact tested at -27 deg.C. and to meet Impact test energy requirements of code.

19. Ovality of the shell shall be as per ASME

20. Flange material SA 350 Gr. LF2 shall have 0.25% max. carbon content.

21. Hydrotest of vessel shall be carried out only once after stress relieving.

22. NDT of weld joints after hydrotest is as follows:

    - 100% UT Exam of all the T joints from inside of vessel followed by DP test.
    - M.P. of 1/3 rd length of fillet weld of inner shell to stiffner Web as 0 deg., 90 deg., 180 deg, 270 deg.
    - After final inspection, before gassing up and commissioning of LPG Bullets , an ultrasonic shell thickness testing shall be carried out on the internal walls of bullet at the points designated for 5 years.

23. Hardness testing on production test coupons after PWHT to be carried out.

24. Reinforcement pads for nozzles to be tested pneumatically at 1 kg/cm2 (G) after test T/t holes to be filled with hard grease.

2.2.1 Material Specification:

Gaskets : SS 304/316 Spiral wound asbestos filled

Fittings : SA 420 WPL 6

Stiffening rings/Pad plates & cleats: SA 537 Class 1

Bolts/ Nuts : SA 320 gr. L7 / SA 194 Gr.4/Gr.7

Coupling : SA 350 Gr. LF2 #6000

Nozzles flanges : SA 350 gr. LF2

Nozzle necks (other than manhole) : SA333 Gr. 6

Nozzle neck (manhole) : BS:1501 Part 1 224 Gr. 490 LT40

2.3 POLYURETHANE BULLET PROTECTIVE COATING

The minimum requirements for the coating materials, equipment, application, inspection, repair, handling & other aspects of external (surface) corrosion protection of mounded bullets (cylindrical unfired pressure vessels) are covered under these technical specifications.

2.3.1 SCOPE OF WORK

This specification governs the minimum requirements for materials (coating as well as surface preparation prior to coating), equipment, coating application, inspection, repair, handling and all other aspects of external corrosion protection of Mounded Bullets for bulk storage of the liquefiable (hazardous) gases under pressure.

It is envisaged that the Polyurethane coating (100% solids, high build, elastomeric) on the external surface of the mounded bullets shall provide a hard, tough, high electrical resistance (for corrosion prevention in conjunction with cathodic protection system) surface with outstanding adhesion and impact resistance to protect against damage during the process of mounding (compaction of graded sand followed by earth cover). The coating system shall be suitable for service temperatures between minimum -55 ° C and ambient + 55 ° C (although these temperatures may not be normally achieved/ encountered) in service. Also very high levels of chlorides & sulphates, particularly in coastal installations, should be withstood by the coating during entire design life span.

In mounded bullets, with internal pressures the unfired shell areas widen more than the ring stiffened region. The coating system shall withstand, without damage during the entire service life span, the constraint developed thus producing bending moments in the mounded bullets in longitudinal direction, the maximum of which occur/ are likely to occur in the plane of the ring stiffener.

The work to include furnishing all labour (skilled & unskilled), materials, tools & tackles, equipment & performance of all operations and incidentals necessary for coating handling, storing and transporting of coated bullets or part thereof. The coating operations will have to be carried out in narrow space around the mounded bullet prior to graded sand filling and compaction around the fabricated bullet.

The steel surface preparation prior to actual commencement of coating shall conform to STEEL STRUCTURE PAINTING COUNCIL-: SURFACE PREPARATION SPECIFICATION: SSPC-SP10

Removal of all equipment and excess materials from site, following completion of coating operations is included in the scope of work.

Prior approval from TKIS shall be obtained by the coating applicator for any deviations from the requirements of this specification and/ or the standards referred therein.

2.3.2 GENERAL REQUIREMENTS:

The applicator shall submit for TKIS approval, coating procedure including quality assurance (QA) & quality control (QC) methodology, prior to commencement of coating of the bullets. Only duly approved methodology shall be followed in coating application.

The applicator shall provide standard equipment for coating works; no improvised equipment will be accepted/ allowed.

The applicator shall supply all coating materials required as per this specification & provide test data/ reports from standard laboratories. The applicator shall also carry out tests on applied coating for adhesion, film thickness and pinhole/ holiday detection. The results of these tests shall be through a TKIS approved laboratory.

Considering logistical and technical aspects, coating of bullets shall be carried out in the mound (prior to grade sand filling & compaction) after post weld heat treatment and hydrostatic testing.

All manpower (skilled, unskilled) shall be applicator's responsibility and only personnel skilled in the coating application shall be deployed by the applicator.

The coating shall be inspected by qualified inspectors. The qualification of inspectors shall be verified/ approved by owner/ consultant.

The applicator shall provide access during all phases of work to the TKIS and their inspectors. Any expenses incurred by the applicator due to TKIS inspectors stopping the coating work because it is not being carried out as per these specifications, shall be borne by the applicator.

All equipment shall be subject to TKIS approval and should be of good quality, maintained in good operating condition and suitable for use to apply materials as per this specification.

All cleaning, priming, coating machines shall be preferably equipped with rubber or wheels overlaid with hard fiber to prevent marking or denting the external surface of the bullet.

The owner shall provide coating schedules & engineering information including drawings when available, showing all dimensions, obstructions and access to the surface area to be coated as well as the calculations of area to be sprayed.

Before, bid submission, the applicators are advised to acclimatize themselves with site working conditions and owner will permit such visits by applicators.

During surface preparation, any acceptable metal defects detected shall be immediately brought to the notice of TKIS and the applicator shall hold the work on such steel piece till such time as cleared for further action by the owner/ consultant.

Only plural component air less spray system shall be used as per recommendation of the manufacturer of Primer Polyurethane.

2.3.3 SAFE PRACTICES:

High performance spray applied coatings may contain potentially toxic ingredients and require all (local, state, central) safety regulations to be observed during coating operations. Proper safety precautions must be observed against recognized safety

hazards even during storage of primer & coating materials at site. Applicable (statutory, state, local) regulations governing safe handling practices, shall be enforced.

2.3.4 MATERIAL SPECIFICATION

Sr	Property	Value	Test Method
1	Tensile Strength	15 N/ sqmm (Min)	ASTM-D638
2	Adhesion(elecometer pull off)	8 N/ sqmm (Min)	ASTM-D4541
3	Recoverable Elongation	50% Min. At 25 ° C	ASTM-D638
4	Surface Hardness (cured film)	50 (Min)	SHORE D
5	Water vapour permeability	0.5 gms/24hr/sqm (max.)	ASTM-E96
6	Operating Temperatures	-55 ° C to +55 ° C	
7	Salt Spray (6000 hrs)	No Effect	ASTM-B117-73
8	Nom. Film thickness(film build)	1000 micron. (unless otherwise specified)	
9	Impact Resistance	2.3*105 gms. Cms (min)	ASTM G-14 on Steel pipe
10	Tear Strength	175 PLI (Min)	ASTM D-624
11	Abrasion Resistance (Taber Abraser H-10 wheel 1000 gm 1000 cycles)	Weight loss 0.05 gm (Max.)	ASTM-D-4060
12	Cathodic Disbondment (-1.5 v 70-75 ° F 30 days)	Average radius 10 mm (max)	ASTM G-8, G-95
13	Flexibility at 25 ° C	To pass 180 ° C\ bend over 0.5" mandrel @ 750 microns.	ASTM D 173
14	Accelerated Weathering	Excellent Some Chalking	ASTM G-23

PRIMER

The type of primer used shall be as per coating manufacturer's specifications

A. For areas not to be cathodically protected : Polyvinyl Butryl (wash) type

B. For areas to be cathodically protected : Aluminium filled moisture cured Urethane Primer or two (2) component chemical cured Urethane Primer

Single package moisture-cured Urethane primers containing non-leafing Aluminium pigmented, are fast curing, chemical & corrosion resistant and eliminate the mixing & pot life limitation of two pack materials.

The primer shall have following characteristics;

Flash Point : 28° C TCC

Coverage : for @ 1 Mil DFT square feet per gallon

810 - theoretical

648 - practical (assuming 10% loss factor due to over spray etc.)

Shelf Life : Six (6) months
Drying time : at 25 ° C

To touch 30 mts

To handle 45 mts

To recant 4 hours

Clean up : Toluene (immediately)

2.3.5 SURFACE PREPARATION:

Although, Elastomeric 100% solids Polyurethane coating material has excellent Corrosion and Erosion resistant properties, it must however, be considered part of an engineered system which includes adequate/ appropriate surface preparation. It is axiomatic in protective coating work that the performance of most appropriately chosen coating will be no better than the surface preparation.

Accordingly, the surface shall be blast cleaned as follows; The external surface of bullets (or part thereof) shall be blast cleaned to SSPC-SP10 specification near white blast cleaning with 2-3 Mil anchor profile (or else conform to SIS Gr Sa 2-1/2 Specifications)

Near white blast cleaned surface finish is defined as one from which all Oil, grease, dirt mill scale, rust, corrosion products, oxides, paints or other foreign matter have been completely removed from the surface.

The abrasive shall not be reused as this could be detrimental to the surface.

Dry sand blasting using compressed air blast nozzles and dry sand of a maximum particle size not larger than that passing through a 16 mesh screen US Sieve Series shall only be used.

Grit blasting shall be using compressed air blast nozzles & crushed grit made of cast iron, malleable iron, steel or synthetic agents other than sand of a maximum particle size no longer than passing through a 16 mesh screen US Sieve Series. The largest commercial grade of metal grit permitted by this specification is SAE No. G-25 abrasive material.

Closed re-circulating nozzle blasting using compressed air, vacuum and any of the preceding abrasive may be used.

The blasted surface shall be brushed with clean brushes made of hair, bristle or fiber or else blown off with compressed air (from which detrimental oil & water have been removed) or cleaned by vacuum for the purpose of removing any traces or blast products from the surface and also for removal of abrasives from pockets & corners.

Blast cleaning operation shall be done in such a manner that no damage is done to partially or entirely completed portions of the bullet.

If any rust is formed on Bullet (external surface) after Blast Cleaning, the surface shall be re-blast cleaned before painting.

The blast cleaned surface shall be examined for any traces of oil, grease or smudges. If present, these shall be removed as outlined in SSPC-SP1-63 specification.

The height of profile of the Anchor pattern product on the surface shall be 50 microns. The height of Anchor pattern to be determined by an Elcometer 123 or equivalent surface profile gauge. The average reading from ten (10) randomly selected areas shall constitute the height of the profile. The profile measurement to be done on flat (with out curvature) areas only.

The blast cleaned surface should be further treated or primed preferably within 24 hours after blast cleaning but in any event before any visible or detrimental rusting occurs.

All above operations shall be witnessed by & certified by owner/ consultant’s inspector.

2.3.6 PRIMING

Measure humidity (using PSYCHROMETER) to ensure Dew Point is at least 3° C below the ambient temperature. Under controlled conditions, heating steel surface may be resorted, to eliminate the condensation problems. Two component chemicals cure urethane primer shall be sprayed onto the cleaned surface in a fog coat as thinly as possible (approximately 1 Mil) so as to tint but not mask the colour of the substrate.

The primer on application shall be free from runs & drips. The primed surface shall be protected so that it will not come in contact with rain, Mist, Dust or other foreign substances until completely hardened & the Urethane top coat has been applied.

The Urethane top coat shall be applied before the Prime Coat has completely cured not less than two (2) hours, nor more than five (5) days after the prime coat has been applied. However, the Prime Coat at the time of Urethane application, should be hard and not tacky.

2.3.7 COATING

Equipment for spray application shall be plural component Airless spray system (Graco Hydra Cat 45:1 or equivalent)

Pressure produced at Tip	2200 - 3000 PSI
Tip Size	0.66 - 0.76 mm
Temperature	
Resin	50 ° C - 60 ° C
Activator	10 ° C - 30 ° C

Standard instructions from the Manufacturer shall be followed for Spray, material handling & storage. Always, dry nitrogen (gas) blanket over material shall be maintained.

Nominal thickness of 100% solids elastomeric urethane shall be 40 Mils (1,000 micro) unless otherwise specified. The finished polyurethane shall be generally smooth & free of sharp protuberances. A minor amount of sags, dimpling & curtaining, which otherwise meets specifications requirement shall however be not considered as cause for rejection.

Before actual coating application on the bullet surface, a test patch shall be applied & inspected for Runs, drips & Gel time as well as Tack free time. In case of doubt, Adhesion test shall be carried out.

“Unit Repeat Area” is calculated along with the Material volume in counter numbers (counters are attached on the units that measure the volume of materials dispensed), approximate speed and number of passes. Spray applies requisite thickness in multiple passes in single application keeping spray gun perpendicular to the substrate. If the surface is large enough to require more than one day for coating, the edges of the coated area shall be feathered and roughened with a grinding tool for over spraying and primed. Skips, if any, holidays, detected should be repaired with 100% solids Elastomer Urethane hand mix kit or equivalent after the edges are roughened.

2.3.8 INSPECTION

All work under this specification shall be subject to Inspection by the TKIS Inspector. All part of the work shall be accessible to the TKIS inspector. The applicator shall correct any defective work indicated by the Inspector.

During coating application the wet film thickness shall be measured using Nordson or equivalent wet film gauge as per ASTM D4414. The dry film thickness shall be checked with a magnetic mil gauge (by De Flesko or equivalent). The coating shall be checked for Holidays using Tinkor & Rasor (USA) Holiday detector or equivalent. Due caution shall be taken not to use detector voltage exceeding dielectric strength of the coating (400 V/Mil) to avoid damage to the coating.

Pull off Adhesion to steel shall be measured using Elecometer adhesion tester as per ASTM D 4541 using a Aluminium dolly attached to the coating & a perpendicular force applied to the dolly. Average reading from three (3) randomly selected spots shall be at least 8 N/sqmm. Adhesion test shall be carried out on fully cured coating (7 days at 25 ° C) & on flat (without curvature) test area.

Applicator shall supply certificate from the coating manufacturer that the material used (with batch numbers) are free from manufacturing defects & will meet all performance criteria when properly applied as given in this specifications.

All above test shall be witnessed & certified by TKIS inspector.

Inspection and Testing

All painting materials including primers and thinners for application shall be procured directly from manufacturers as per specifications and shall be accompanied by manufacturer's test certificates. Paint formulations without certificates are not applicable.

2.3.9 QUALITY ASSURANCE

The contractor shall guarantee that the chemical and physical properties of paint materials used are in accordance with the specifications contained herein/to be provided during execution of work.

2.4 CATHODIC PROTECTION OF LPG TANKS

2.4.1 GENERAL

The cathodic protection system shall be designed as per latest specifications and industry standards and the same shall be executed only thru' expert agencies with prior experience of design and providing of CP system for mounded LPG storage vessels in India. The decision of TKIS with respect to the design of the CP system shall be final and binding on the contractor. The impressed current cathodic protection system should provide a uniform cathodic current density to the target bullet structure in order to maintain the steel at a potential between -0.85 V and -1.5 V relative to a Cu/CuS04 reference electrode. Steel potential needs to be greater than - 0.85 V to avoid corrosion and less than -1.5V to avoid excessive hydrogen evolution which Induces hydrogen embitterment of high carbon steels used in the fabrication of bullet tanks. The protected structure thus needs to be maintained within a narrow window of 0.65V.

The type of Anode and its positioning relative to the bullet tank has a critical influence on both achieving the uniform current density and maintaining the potential of the structure within the -0.85 V to -1.5 V potential range. In addition, the relative positions of the associated pipes and tanks have to be considered.

2.4.2 DESIGN BASIS

For designing the system, the following parameters should be considered:

1. Soil Resistivity - Min 10,000 ohm-cm (*)
2. CP current density (approx. 10mA per Sq M) - VENDOR TO DESIGN & SPECIFY
3. LPG bullet dia - 6.0 Mtrs (approx)
4. LPG Bullet length - 51.6 mm (approx)
5. %age bare steel - 30%
6. Design Life - 50 years

(*) Exact measurements should be taken at site, of mound soil.

Based on the above design parameters, the CP contractor shall design a suitable system taking particular care with the positioning of the ANODES and the Cu/CuSO4 reference cells.

2.4.3 MONITORING

A suitable Cu/CuSO4 reference cell monitoring system shall be proposed to ensure that the design parameters can be checked over the lifetime of the CP system.

2.4.4 TRANSFORMER RECTIFIER UNIT

The transformer rectifier shall be automatically controlled C.P. rectifier of rating - Single Phase or 3 Phase, 415 Volts - 50 V with auto/manual override facility. The ampere rating is a function of the type of coating used on the tank.

Control : Constant Voltage/Constant current Control

Construction : Outdoor type - IP 65 with an additional canopy.

2.4.5 POTENTIAL CONTROL

The C.P. system shall be provided with automatic potential control. A switch shall be provided to switch the system between automatic and manual operation. Automatic reference selector logic with 3 Nos. reference inputs located in the TR unit will be capable to control the current output such that the structure to soil potential at the connected reference cell is maintained within 10 millivolts of the set value.

The potential measuring circuit shall be capable of working with both Cu/CuSO4 and Zinc reference cells. At any given time the system shall be either controlled by one type of reference cell and other type shall be kept on the standby mode. The changeover, if required, shall be effected manually at site in the TLP (Test Lead Point).

The TR unit shall be provided with the following Visual annunciation and alarm:

Under Protection

Over Protection

All Reference Failure

Over Current

A panel-mounted meter to read the bullet-to-soil potential at the selected control reference cell through a selector switch shall be provided.

2.4.6 ELECTRICAL SEPARATION

Monolithic Insulating joints of or equivalent approved make shall be provided on each tank at the pipe connections to each tank like Liquid nozzle at bottom, Liquid Return nozzle at top, Vapour nozzles at Top etc. For all the other nozzles, insulation gaskets

with suitable sleeves shall be provided. Contractor has to get the design approved by TKIS/TPIA.

2.4.7 EARTHING

The LPG bullets shall be connected to the central earthling system through two polarisation cells.

3. Itemized Scope of Supply

No.	Description	Unit	Quantity
1	**Prep.of drawings & Approval** Preparation of fabrication drawings / QAP , incorporating recommendations of TPIA Appointed by TKIS and obtaining approval based on the basis of basic drawings, design engineering and design data provided by TKIS	EA	1
2	**Providing neoprene rubber Pads** Providing and fixing in position 100 mm thick resilient Neoprene pad of approved make, specs and as directed by the Engineer-in charge.	SM	30
3	**Providing flexible SS Bellow** Providing and flexible SS Flexible Expansion Bellow of approved make, specification and as directed by the EIC	ST	8
4	**Supply and Fabrication of bullets at Site** Fabrication, erection, installation , hydro-testing, calibration and commission 5 ning of 4 nos.of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete excluding the cost of Boiler Quality plates, which will be supplied by TKIS as per specification and detailed scope of work mentioned in the tender document.	TM	3000
5	**PU Coating of vessels** Supply, application and testing of Polyurethane tank protective coat of 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by HPCL including the cost of all labour, equipment, material etc.	SM	4069
6	**750mm dia. Manholes** Supply, fabrication and erection of 750 mm dia. Manhole, blind flange for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete excluding the BQ plates for fabrication of neck and RF Pad, which shall be supplied include the cost of WNRF, BLRF and studs as per the requirement of approved drawings	EA	16
7	**300mm dia. liquid bottom Nozzle** Supply, fabrication and erection of 300mm dia. Liquid receipt/withdrawal nozzle for 4 nos. of 750 MT Mounded storage LPG Buyllet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 300# WNRF and BLRF flanges, 90 deg. Elbow, high tensile studs and spiral wound metallic gaskets	EA	4
8	**200mm dia. liquid return nozzle** Supply, fabrication and erection 200dia. Sch. 80 Liquid return nozzle with dip pipe for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Pipe, 300# WNRF and	EA	4

No.	Description	Unit	Quantity
	BLRF flanges, 90 deg. Elbow, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings		
9	**150mm dia nozzle for ServoGauge** Supply, fabrication and erection of 150mm dia. Nozzle for Servo level gauge for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings.	EA	4
10	**50mm dia. nozzle for Pr.guage** Supply, fabrication and erection of 50mm dia. Nozzle for pressure gauge for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch.160 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4
11	**50mm dia. nozzle for Tem.guage** Supply, fabrication and erection of 50mm dia. Nozzle for Temperature gauge for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS inlcuding the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 160 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4
12	**200 mm dia vapour nozzle(out)** Supply, fabrication and erection of 200mm dia. vapour Nozzle (outlet) for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 90 deg. elbow, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4
13	**200mm dia vapour nozzle(recycle)** Supply, fabrication and erection of 200mm dia. vapour Nozzle (recycle) for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 90 deg. elbow, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4

No.	Description	Unit	Quantity
14	**100mm dia.nozzle for SRV** Supply, fabrication and erection of 100mm dia. Nozzle for SRV for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4
15	**100mm dia.nozzle for HLA** Supply, fabrication and erection of 100mm dia. Nozzle for High Level alarm for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings.	EA	4
16	**150mm dia nozzle for RadarGauge** Supply, fabrication and erection of 150mm dia. Nozzle for Radar gauge for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of Sch. 80 Pipe, 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings	EA	4
17	**Fire proofing exposed Surfaces** Carrying out Fire proofing (Fendolite system) of exposed surfaces of 750 MT cap. LPG mounded bullet for a fire rating of 2 hours in line with OISD 150. The job shall be carried out meeting the requirements of UL 1709. Scope of job shall include surface preparation, manual cleaning, providing epoxy primer / paint, fendolite material, GI wire mesh, sealant & rockwool mattress etc. complete as required	SM	200
18	**CP system for MSV** Design, supply, installation, testing and commissioning of Cathodic Protection System for complete project of 4 X 750 MT Mounded Storage	LS	1
19	**100mm dia spare nozzle** Supply, fabrication and erection of 100mm dia. spare Nozzle for 4 nos. of 750 MT Mounded storage LPG Bullet as per approved QAP under the stagewise inspection of TPIA appointed by TKIS including the cost of all labour, equipment, material etc. complete. Rate quoted shall include the cost of supply of 300# WNRF and BLRF flanges, high tensile studs and spiral wound metallic gaskets as per the requirement of approved drawings.	EA	4

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 9

Social Welfare Plans for Factory Employees

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

AVA GAS COMPANY

Employee Health, Safety & Social Welfare Plan

Ava Gas Company is committed to developing and sustaining a safe, healthy and motivated workforce.

Our approach

The health, safety and well-being of our workforce are an essential element of a successful and sustainable business. We are committed to providing a safe workplace for our employees and improving their health through better diets, work practices and lifestyles.

Safety in the workplace

Ensuring the safety and well-being of our people and of contractors, suppliers and visitors is integral to our business. We focus continuously on improving safety through the positive behaviour of our people, the design of our plants, facilities and products, and by implementing safe systems and procedures.

Our strategy

The health and safety of our workforce is an essential element of a successful, growing and sustainable business. We are committed to providing a safe workplace for our employees, contractors and visitors.

As part of the Ava Gas Company Health & Safety Plan we have set a target to reduce workplace injuries.

Reduce workplace injuries and accidents

We aim for zero workplace injuries. By 2020 we aim to reduce the Total Recordable Frequency Rate (TRFR) for accidents in our plantations and offices to zero.

We aim to be the leaders in our industry on safety.

We will measure our progress using Total Recordable Frequency Rate (TRFR) which counts all workplace injuries except those requiring only simple first aid treatment. Reducing road traffic accidents remains a priority for protecting our people. Much of our business growth comes from developing markets where our sales people are at increased risk from travel because the local road infrastructure can be poor.

Mapping external risks will allow us to identify how they are best addressed, for example through public awareness campaigns, advocacy or by working with others to leverage our efforts and resources.

Leadership & governance

Our commitment to safety comes from the most senior levels in our organisation. Ultimate responsibility for our safety performance rests with our Managing Director. The senior leader responsible for health and safety is our Vice President , who is also a member of the Ava Gas Company Leadership Executive.

Ava Gas Company will have a national health and safety policy and a set of mandatory standards based on the international standard OHSAS 18001 which will guide our management systems. We also have mandatory standards and best practice guidelines on individual aspects of health and safety.

Our senior health and safety professionals will meet regularly as the Ava Gas Company Safety and Health Leadership Team. The Team will be chaired by our Project Director for Safety, Security & Health Protection, who reports to our Managing Director. Its role includes:

- advising our Leadership Team on areas of focus and recommending and supporting specific improvement projects
- reviewing progress against targets and recommending specific remedial actions
- following up on serious incidents and ensuring wide dissemination and adoption of the lessons learned.

We will also be embedding responsibility for health and safety with our line managers. Safety committees at every site carry out engagement and consultation with employees at all levels.

We will continue to focus our support on those sites with the poorest health and safety performance.

In addition to the recordable fatality data, Ava Gas Company will require its employees to report fatal accidents involving members of the public where these fatal accidents may be deemed associated with our operations, and those which occur at third-party contract manufacturers producing goods and services for Ava Gas Company. In common with the other companies in our industrial sector, these incidents are only reportable internally. This reporting practice helps us to identify ways in which such accidents might be prevented in the future. We also benchmark ourselves against other companies in our sector and in wider industry, and work collaboratively to share best safety practice.

Costs of accidents

In addition to the safety of our employees, ensuring we have as few accidents as possible is important to our broader business. It is difficult to quantify the direct costs of accidents but they can affect our insurance costs, sick pay and absence cover, interrupt business activities, reduce productivity and affect employee morale and motivation.

Behavioural-based safety

All our departments will adopt a behavioural-based approach to health and safety. This approach recognises that best practice guidelines and policies are not enough to achieve a safe working environment. It is how well people adhere to them which makes the difference.

The example set by leadership is crucial in achieving adherence to our standards. Every manager is responsible for safety and is expected to set a personal example. We have developed new tools and training to guide our employees in adopting safe behaviours. These draw on best practice from inside and outside Ava Gas Company and are designed to encourage employees to identify unsafe behaviours and make the consequences of such behaviour more immediate and personal.

Process safety

Process safety concerns the safety of manufacturing processes which can be potentially harmful, if not managed well, for example, the manufacture of aerosol sprays (because of the flammable nature of the materials used) and the refrigeration in ice cream manufacture (because of the toxicity of the ammonia refrigerant).

Our aim is to prevent any incident which would result in fatalities, serious occupational injuries or a threat to the local community, such as a major fire, explosion or leakage.

Our approach is to fully embed process safety in the way we design, develop, construct and operate our manufacturing sites. This also ensures any modifications are managed correctly.

We are undertaking a rigorous review of our approach to process safety management, to identify opportunities for improvement and build in good practice from other industries.

Machinery safety

We continue to work on improving the safety of people working with machines. We have set rigorous standards to protect our employees. We assess all the risks related to our equipment and ensure that appropriate safeguards are in place. Protective guards preventing access to moving machinery must be installed where practical and if not, interlocking guards must be used which prevent the machine from being restarted before the guard is closed. Our standards also require that machines are made safe by cutting power and locking them, before starting any maintenance or repair work.

Machinery safety is kept under continuous review and we have developed tools to involve employees in identifying hazards and assessing their risks.

Safe travel and transport

Safe travel and transport continue to be a priority for us. Our business is in an emerging market, where it often lack a culture of safe driving, basic road safety infrastructure and enforcement. To prepare our people, we provide a risk-based driving assessment and safe travel training programme, which focuses on promoting positive driving behaviours and identifying high-risk countries where we have operations.

We have a Safe Travel committee that is led by a senior manager in all departments. These committees identify local risk, then develop and implement safe driving standards. The assessments take into account not only the specific circumstances in each country, but also the risks associated with certain routes. Drivers are provided with training based on

this risk assessment. We use a combination of online training and technology, such as IVMS to track and record driving behaviour and promote safe driving techniques. Each Ava Gas Company department ensures that its providers of outsourced driving services provide safe and reliable vehicles and qualified drivers.

Where accidents do occur, we are keen that any lessons are learned swiftly and the findings shared throughout the company to prevent recurrence.

Social Security and Welfare Arrangements

We are committed to protecting our employees from work-related hazards as well as promoting their health so that they can enjoy fit and healthy lives, both at work and at home.

Our strategy

We seek to attain best practice in medical and occupational health. Our medical and occupational health strategy focuses on health protection and health promotion and covers three key areas:

1) Health, well-being & performance – where our goals are to:

- promote the health of our employees, which brings both individual and business benefits
- roll out our employee health programme further
- promote mental well-being and resilience
- tackle local health risks such as HIV, malaria, dengue fever and tuberculosis
- ensure business continuity in the event of a health pandemic
- support the concept of 'agile working' for our employees.

2) Prevention of occupational ill-health – where we aim to:

- prevent work-related illness and occupational diseases
- formulate new occupational health key performance indicators (KPIs) which will measure occupational health performance
- ensure good ergonomics at the workplace
- control specific risks such as noise and allergens.

3) Travel-related activities, where we:

- provide advice on immunisation and preventative measures (chemoprophylaxis) for all business travel
- offer advice before, during and after travel.

We are developing performance measures to assess our achievements in these three areas.

Employee Health Programme

Improving the health and well-being of our employees is essential for our continued business success. We believe that healthy employees contribute to a healthy company.

We have developed a global health and well-being framework which Ava Gas Company operations are encouraged to make available to all their employees. This is the Lamplighter programme, in which employees are individually coached on their exercise regime, nutrition and mental resilience. An initial check-up is followed by six-monthly visits where progress is monitored.

Our challenge is to encourage employees to change their behaviour and sustain new habits, through regular exercise, better eating habits and managing pressure, both at work and outside it. We have found that if we can keep employees motivated during the first six months of a programme of change, positive changes are likely to remain.

An important factor in the success of the programme is leadership behaviours. People at work often follow the patterns of behaviour set by their managers, so we started our roll-out with senior managers and asked them to encourage their teams to join the programme.

The single most important factor in evaluating the outcome of the health programme is the improved health risk status of employees. We start by determining the health risks that an individual faces. Risks are assigned to a number of factors: lifestyle (alcohol and smoking), non-modifiable (age and ethnicity), nutritional (eg consumption of fruit and vegetables), physiological (heart rate and body mass index), biochemistry (cholesterol and diabetes) and workplace (stress and engagement).

Under the programme, we rate employees as low, medium or high risk. Low risk means that a person has between zero and two risk factors – such as smoking or a failure to take any exercise. Medium risk is caused by two to four risk factors and high risk by five or more. We then educate and support people in making changes to reduce these risks. For example, in India the programme has reduced the number of employees categorised as 'high risk' .

Responding to pandemics & protecting employee health

Taking care of our employees' health becomes even more crucial at times of pandemics. We have a clearly articulated plan of action to protect employee health and business continuity.

We provided clear guidelines to our operations on how to respond to the pandemic and monitored travel in and out of the countries that were affected. We posted materials across our office and factory sites to highlight the simple steps individuals could take to protect themselves. We also made soap and hand gel widely available.

Agile working

Our aim is to create a working environment supportive of employees' personal lives, while meeting our business needs. One of the ways we do this is through agile working – giving employees the right working practices and technology to do their job anywhere, anytime, as long as the needs of the business are met. We also offer more formal flexible working arrangements such as job-sharing and flexible or reduced hours.

We have adopted indicators to track our occupational health performance. Our leading indicators include the percentage of people who attend a health check as a proportion of total employees, and the number of sites that pass an audit. Audits contain safety and environmental questions and have been adapted to include questions on occupational health. These audits must be signed off by the country chairman.

Our lagging indicators include the number of work-related illnesses caused or exacerbated by work, and the number of days taken off due to work-related illness.

We plan to improve our data collection by incorporating our occupational health indicators into our existing health and safety IT system. This will allow occupational health doctors to record data 'as it happens'. More timely reporting will also allow us to manage and reduce occupational illnesses.

Tackling HIV/AIDS

HIV/AIDS has an impact on our business, not only in terms of our own employees, but also in wider socio-economic terms in many of our markets.

Our approach to HIV/AIDS & occupational health

Occupational health is a worldwide responsibility for Ava Gas Company and covers:

- access to primary healthcare
- protecting health in the workplace
- ensuring medical fitness for the job, and
- actively promoting health and well-being.

Ava Gas Company HIV/AIDS programmes are an integral component of our Medical and Occupational Health strategy. We have a company-wide standard to reinforce our commitment to the care and protection of employees living with the disease and to help prevent new infections. The standard underpins Ava Gas Company approach to prevent discrimination against employees based on HIV status and to offer care and support when needed. It is based on the principle of treating HIV/AIDS like any other chronic disease and providing appropriate steps to combat it.

Focusing on education and prevention

As there is currently no cure for AIDS, education and prevention are critical to halt the spread of the disease and are the main line of defence against it. These should also be supported by counselling and sustainable programmes to care for those already infected. Therefore, in the fight against HIV/AIDS, Ava Gas Compny is committed to deploying effective programmes of health education (using our skills in communication) and to securing access to appropriate treatment for our employees at all stages of the disease.

Countries differ greatly in the quality of clinical infrastructure, in national health priorities and in the cultural sensitivities which surround HIV/AIDS. The role of the private sector varies accordingly – where public health systems prevail, for example, Ava Gas Company contribution will concentrate on education and prevention schemes.

Elsewhere, direct involvement in treatment and care may be necessary. Ava Gas Company policies respond to these differences and adapt to fit local needs. In each country, health professionals are responsible for determining the mix of provision for employees in line with local cultural, social and operating requirements.

ThyssenKrupp Industrial Solutions

ThyssenKrupp

Health Safety and Environment Manual

The signatures below certify that this HSE Manual has been reviewed and accepted, and demonstrates that the signatories are aware of all the requirements contained herein and are committed to ensuring their provision.

	Signature	Position	Date
Prepared by	Sy.H S.	Manager, QA and Safety	2 Jan 14
Reviewed by	[signature]	GM, Operations	2 JAN 14
	[signature]	GM, Engineering	2 JAN 14
Approved by	D Lindmann	Managing Director	2 Jan 14

Amendment Record

This HSE manual is reviewed annually to ensure relevance to the systems and process that it defines.

A record of contextual additions or omissions is given below:

Rev.	Issue Date	Description	Author	Authorised
0	20-Mar-2010	Fist Issue	Supattra S.	D W Sudmann
1	5-Jan-2012	Updated Company Name, Policy, Organisation Structure and Reference Procedures	Supattra S.	D W Sudmann
2	20-Feb-2013	Updated Organisation Structure	Supattra S.	D W Sudmann
3	2-Jan-2014	Updated Company Name, Organisation Structure	Supattra S.	D W Sudmann

HSE MANUAL

CONTENTS

HSE INTRODUCTION

ThyssenKrupp Industrial Solutions (Thailand) Limited herein after referred as TKIS Thailand places the highest priority on the promotion of a healthy and safe working environment within the office, outside the office, at construction sites and at client or vendor premises, and being sensitive and responsive to issues involved in caring for the local and wider environment.

These commitments and goals are defined within the TKIS Thailand's Health, Safety and Environment Policy.

TKIS Thailand has developed a comprehensive Health, Safety and Environment Management System which supports the vision of the company. This management system is applied to all activities of TKIS Thailand.

TKIS Thailand aims to align all HSE activities with the requirements contained in OHSAS 18001:2007 Occupational Health and Safety Management Systems, with the goal of gaining third party certifications of the TKIS Thailand HSE Management System.

This manual is used externally to introduce our HSE Management System to our customers and other external organizations on request.

However, any obligations for TKIS towards customers shall arise solely from contracts with said customers or partners.

HEALTH, SAFETY AND ENVIRONMENT POLICY

Health Safety and Environment Policy

STATEMENT BY THE MANAGING DIRECTOR

ThyssenKrupp Industrial Solutions (Thailand) Limited (TKIS Thailand) is committed to design and construct industrial plants with emphasis on continual improvement in plant safety, reliability and ecology to protect the environment. TKIS Thailand values the health and safety of its staff and anyone working under its control as the highest of priorities. TKIS Thailand will provide safe systems of work for its staff working within offices, outside offices, whilst traveling, at construction sites and at customer or vendor premises.

TKIS Thailand is committed to:

- comply with all relevant Health, Safety and Environment (HSE) Regulations and Standards within the countries that we operate and comply with customer and other HSE requirements, applicable to its business.
- consult with its staff and personnel working under its control on matters relating to HSE.
- provide information and training on HSE.
- provide information on safe working practices at site and at customer premises.
- ensure everyone understands and accepts responsibility to work and act in a safety manner, and to comply with TKIS Thailand's safe systems of work.
- the concept of sustainable development that is compliance with accepted community and environmental standards.
- manage its activities to minimize adverse environmental effects.
- the prevention of pollutions and minimization of wastes.

All TKIS Thailand staff are required to work with customers, contractors, vendors and subcontractors to ensure that:

- engineering designs meet required safety standards
- work is performed in such a way that no-one is hurt
- any incident which has, or could have, caused injury or illness is reported.

TKIS Thailand Management assumes the responsibility of creating a culture and atmosphere to support implementation, effectiveness, continual improvement and evaluation of the HSE management system.

TKIS Thailand Management shall ensure communication to this effect to TKIS Thailand employees, customers, subcontractors and vendors.

All managerial staff of TKIS Thailand are obliged to instruct and motivate other staff accordingly to ensure effective implementation of HSE management system and that all the TKIS Thailand employees are aware of their responsibilities towards HSE.

D. Sudmann

Detlef W. Sudmann
Managing Director
ThyssenKrupp Industrial Solutions (Thailand) Ltd.

1 SCOPE

1.1 General& Principles

Underpinning the TKIS Thailand vision is a number of fundamental principles of Occupational Health and Safety:

- All occupational illness and injury is preventable.
- Lessons Learned enable TKIS Thailand to take actions to ensure the health and safety of all persons.
- Consistent application of common, simple and non negotiable occupational health standards throughout TKIS Thailand.

The HSE manual outlines the policies, procedures and requirements of the HSE Management System which is applicable to Project delivery, including engineering, procurement, project management and construction management services for customers in the resources, process and manufacturing industry sectors.

The scope of this manual and TKIS Thailand HSE standards covers all operational aspects and activities that have the potential to affect the health and safety of TKIS Thailand personnel and contractors. This manual shall cover the entire life cycle of TKIS Thailand operations, from concept design through to operations and completion of projects and post closure activities.

1.2 Application

The TKIS Thailand HSE Manual and HSE standards shall be mandatory and apply to all activities in TKIS Thailand, including managed operations.

The HSE Standards shall be applied to subcontractor, to assist in the identification of potential HSE risks and liabilities associated with the business prior to them becoming part of TKIS Thailand. They shall apply to all operations.

Where no formal HSE system exists, the TKIS Thailand HSE standards shall provide a framework for the development and implementation of a suitable and appropriate management system. Where formal HSE management systems do exist, the TKIS Thailand HSE standards shall be used as a benchmark to assess the suitability of the existing management system. Where the latter is deficient, the TKIS Thailand HSE standards shall be applied.

2 REFERENCES

HSE Management System References

The following documents were used as reference during the preparation of the HSE Management System:

- OHSAS 18001: 2007 Occupational Health and Safety Management Systems
- Thai Labour Ministry of the Interior document: Safety in Construction

References to standards and other documents are captured with in the Project Execution Plan (PEP) and other project related documents.

3 TERMS AND DEFINITIONS

3.0 HSE Management System Terms and Definitions

The terms used in TKIS Thailand HSE management system are based on definitions contained in OHSAS 18001 unless otherwise stated. Specific definitions to TKIS Thailand apply as follows:

HSE	Health, Safety and Environment
HAZID	Hazard Identification
HAZOP	Hazard and Operability analysis
Hazard	Any agent, source or situation with the potential to cause injury, damage or loss.
LTI	Lost Time Injury is defined as an injury or occupational illness, which results in time lost from work of one full day/shift or more.
MTI	Medical Treated Injury is defined as any work-related injury or disease (including loss of consciousness) requiring the treatment of a medical practitioner.
RDI	Restricted Duties Injury or sometimes referred to as alternate duties, is defined as an injury or occupational illness that results in the injured person.
Total Recordable Injury	This is the sum of Lost Time Injuries, Restricted Duties Injuries and Medical Treatment Injuries.
Incident Rate	The number of occurrences of injury or disease for each one hundred workers employed.
Incident	An event or identified hazard, which causes or has the potential to cause personal injury or illness, environmental damage, financial loss or liability.
Injury	Any incident which results in personal harm or illness.
Days Lost	The total number of complete rostered working days or shifts lost from work as a result of the injury (commencing with the shift or day following the shift or day of the injury).
Frequency Rate	The number of occurrences of incident or injury for each one million hours worked.
Fire	An event or occurrence, which has involved fire but did not result in an injury.

Project specific terms and definitions are further defined within the project specific procedures and plans, as and when required.

4 HSE MANAGEMENT SYSTEM

TKIS Thailand Health Safety and Environment Management System (HSEMS) have been established in accordance with the requirements of OHSAS 18001: 2007.

The OHSAS 18001:2007 standard is based on the following methodology.

Plan: Establish the objectives and processes necessary to deliver results in accordance with UTL's HSE Policy.

Do: Implement the processes required.

Check: Monitor and measure the TKIS Thailand processes against the HSE Policy, objectives, legal and other requirements, and report the results.

Act: Take actions to continually improve the TKIS Thailand HSE performance.

TKIS Thailand HSE Framework for HSEMS

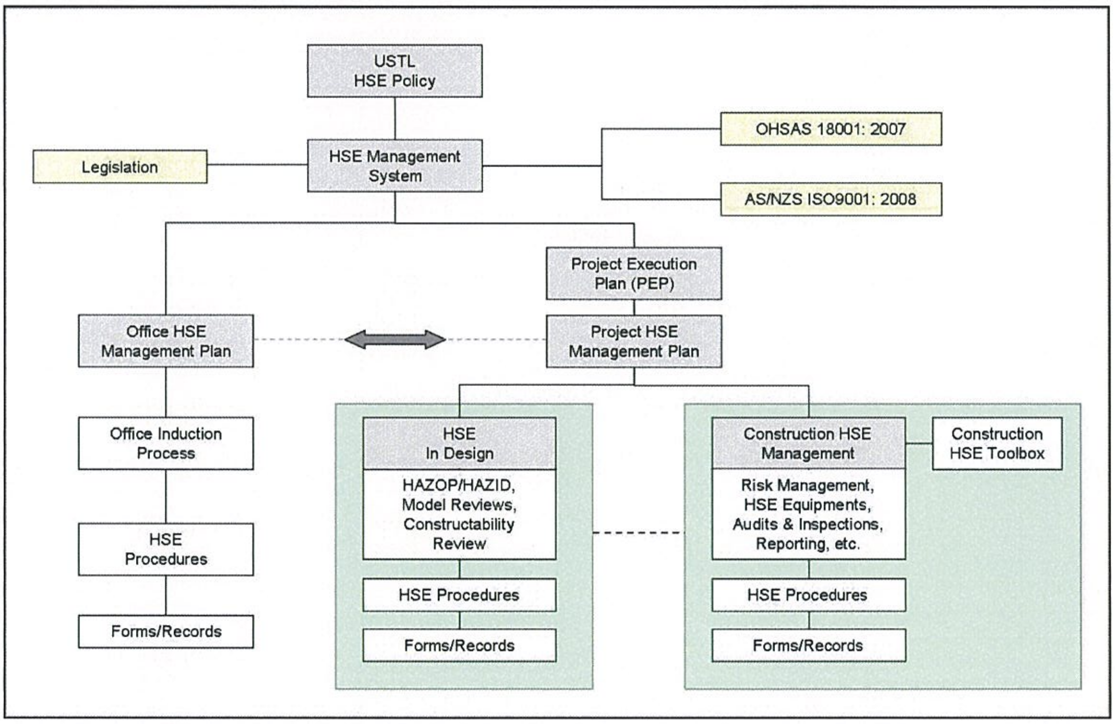


Fig. 2 TKIS Thailand HSE Framework

The HSE documents contain provisions according to which the corporate objectives are to be implemented. The HSE Management System is made up of the following documents:

- HSE Policy
- HSE Management Plans,
- HSE Procedures
- HSE Standards

Documentation in HSEMS

HSE manual (level 1)

The HSE manual provides a guide for establishing, implementing and maintaining healthy and safe working conditions and to promote safe practices by TKIS Thailand. It also serves to inform customers and third parties about the HSE Management System.

HSE Procedures (level 2)

This level of documents contains compulsory procedures which ensure that the requirements stated in the HSE manual are implemented in business. They are to be observes in the case of all bids, contracts and development schemes.

If required, these procedures can be adapted to the customer, specific bid/contract, requirements under the direction of the bid/project manager.

Section 21 of this HSE manual contains a list of applicable procedures.

Instructions and standards (level 3)

The work instructions and the standards describe the most effective way of carrying out the work and enable the bid team and project managers to specify the requirements for the respective bid / contract scheme quickly and precisely.

Forms and Records (level 4)

Standard form and/or checklist are used to record information and also for guiding the user through the process of obtaining the required information. Record is document stating results achieved or providing evidence of activities performed.

4.1 Control of documents

This is an established part of the QMS (Quality Management System), in order to ensure that our organisation have an efficient HSE procedure for using to execute contracts, the QMS specifies the necessary control all of the HSE documents in accordance with the QM procedure Document Management. This procedure defines the process for:

- Approving documents for adequacy prior to issue
- Reviewing and updating as necessary and re-approving documents
- Ensuring that changes and current revision status of documents are identified
- Ensuring that relevant versions of applicable documents are available at points of use
- Ensuring that documents remain legible and readily identifiable
- Ensuring that documents of external origin are identified and their distribution controlled, and
- Preventing the unintended use of obsolete documents and to apply suitable identification to them if they are retained for any purpose

4.2 Control of HSE records

HSE record is defined as the quality records in QMS that are maintained to provide evidence of conformity to requirements and of the effective operation of the Quality/HSE management system. The HSE records are maintained according to the QM procedure Document Management. This procedure requires that quality records remain legible, readily identifiable and retrievable. The procedure defines the controls needed for identification, storage, protection, retrieval, retention time and disposition of quality records.

5 MANAGEMENT LEADERSHIP AND COMMITMENT

5.1 HSE Policies

TKIS Thailand is committed to provide a safe work environment at all times for all staff and anyone working under our control with the goal of achieving incident and injury free operations, and care for the environment.

Management committee ensures that the HSE policy is communicated to all employees. It is included in new employee training and available in the company intranet throughout the facility to maintain high standards within our organization.

5.2 HSE Visions, Objectives and Goals

TKIS Thailand Vision for HSE

To achieve zero recordable incidents throughout our operations through the effective management of occupational health and safety

- TKIS Thailand believes that all personnel are key assets to the company. Being key assets, TKIS Thailand will not accept any situation that places our people at risk of illness or injury.
- All TKIS Thailand personnel should be able to return home to their family and friends, fit and well at the completion of duties.

HSE Objectives and Goals

In order to meet the objectives of the HSE policies, UTL's goal is to prevent injuries and incidents, and demonstrate sensitive responses to issues involved in caring for the local and wider environment and communities in which we work.

To meet these goals, measurable targets and performance indicators have been established for TKIS Thailand operations. These apply for all TKIS Thailand operations and include contractors and subcontractors

The targets include:

- Implement and maintain the TKIS Thailand HSE Management System in order to prevent injuries and incidents and being sensitive and responsive to issues involved in caring for the local and wider environment.
- Develop and maintain an appropriate HSE culture to ensure that all people working on TKIS Thailand projects including contractors and subcontractors fully understand and adhere to TKIS Thailand HSE Policies.
- Implement and maintain a set of positive HSE performance indicators on all EPC and EPCM projects.
- Analyse and develop a register of key environmental aspects relevant to the TKIS Thailand business, and develop an appropriate monitoring and improvement program.
- Commitment to continuous improvement
- Discuss a relevant safety topic at the commencement of every project review meeting.

HSE Performance Targets for Projects are developed to meet these Corporate HSE targets. HSE objectives, targets and improvement programs shall be made available on company intranet.

6 ORGANISATIONAL STRUCTURE

The TKIS Thailand Organisation Structure details the overall lines of responsibility. Projects are managed by a Project Manager, using the Quality Management System. This may vary, in part or completely for project-defined objectives.

The Managing Director, through the General Manager Engineering and General Manager Operations sets the policy for the HSE system and has overall responsibility for ensuring that the HSE systems are implemented.

The TKIS Thailand HSE Managers, reporting to the Managing Director, are directly responsible for ensuring the system is developed, maintained and monitored in accordance with the HSE Manual and the general requirements of TKIS Thailand Management system.

HSE Management is a line management responsibility. The typical organisation structure of a project in annex 2 with respect to the HSE function, project organisation charts are included in or referenced from the project PEP and HSE Management Plan.

The organisational structure of the TKIS Thailand is shown in annex 1 and is also available on the company intranet.

7 RESPONSIBILITIES AND ACCOUNTABILITY

The general HSE responsibilities and expected performance of TKIS personnel are outlined in TKIS Thailand documentation such as letters of appointment, job descriptions, procedures, HSE Improvement Programs, HSE Management Plan.

This ensures that HSE and risk management roles and responsibilities are allocated, and that accountability for the maintenance and continuous improvement of HSE performance is established in all operations.

Board of Directors

The TKIS Directors are responsible for the support and implementation of the HSEMS throughout all operations. In general, the TKIS Board is responsible for:

- Creating clear expectations of the role of individuals in the development of the Company HSE culture.
- Ensure appropriate HSE standards and best practice principles are developed.
- Setting objectives and annual targets for a range of key performance indicators for TKIS.
- Participating in the annual review of HSE policies and the HSE Management practices, the regular review of TKIS HSE performance and the development of strategic initiatives.
- Providing appropriate recognition to offices and projects achieving excellent HSE performance.

Managing Director

The Managing Director has the ultimate authority over implementation of the HSE Management System. The Managing Director is responsible for approving HSE policy statements and objectives.

Departmental Managers

Senior Managers are responsible for the implementation of TKIS HSE policies and procedures in their respective operations. Senior Managers are responsible for:

- Ensuring accountability is effectively delegated for the implementation of the TKIS Thailand HSE Management System to Operations and Project Managers.
- Providing appropriate leadership to ensure a HSE culture is maintained.
- Planning and implementing relevant activities to ensure the HSE policy objectives, performance targets and an incident and injury free culture is achieved.
- Reviewing business and project HSE performance.
- Equipping the workforce with the knowledge, skills, systems and resources to mitigate exposure to hazards.
- Providing appropriate recognition to projects achieving excellent HSE performance.
- Ensuring appropriate resources are included within tenders.

General Responsibilities for all managers and supervisors

All managers and supervisors are responsible for the support and implementation of the HSEMS for their relevant levels and locations. In general, all Managers and Supervisors are responsible for:

- Promotion of the TKIS Thailand vision and sustaining the HSE operating philosophy and functions as an integral component of their activities.
- The health and safety of all personnel reporting to them or for whom they have responsibility.
- Initiating prompt action to prevent conditions or events developing that can result in an incident occurrence or recurrence.

All Employees

(Including Employees of Sub-Contractors Managed by TKIS Thailand)

- All employees have a responsibility to work safely, prevent pollution and to comply with HSE policies, plans and procedures. In general, all employees shall:
- Take reasonable care for their own safety and health and ensure their actions do not adversely affect the safety of co-workers, plant and property.
- Comply with the Company policies, standards and procedures.
- Commit to the achievement of the HSE objectives, and actively participate in improvement processes.
- Operate and maintain plant and equipment within recommended design or operational limits.
- Correctly, use safety devices and Personal Protective Equipment.
- Communicate to Management via established systems any HSE situation, hazard, incident or injury arising in the course of, or in connection with, a persons work.
- Comply with all reasonable lawful HSE instructions.
- Responsibilities and accountabilities shall be firmly established at the commencement of the Project for all personnel. These shall be detailed within job/position descriptions.
- All personnel shall ensure they fulfil their responsibilities through actively participating in the activities outlined within duty statements as provided in the project HSEMP.

HSE Management Personnel

HSE Manager

TKIS Thailand HSE Manager is responsible to the Managing Director and coordinates the activities of TKIS Thailand departmental managers to establish and maintain the relevant HSE components in accordance with the TKIS Thailand HSE Management procedures.

In relation to projects, the prime role of the TKIS Thailand HSE Manager is to facilitate the effective application of the TKIS Thailand HSE Management procedures in accordance with the TKIS Thailand Project Delivery System.

Key responsibilities include:

- Develop and maintain a Health, Safety & Environment Management System which complies with the relevant Standards and best practice systems, meets TKIS Thailand business requirements and caters for project lifecycle and delivery as appropriate including project approvals, safety and environment engineering, procurement and contracting components relevant HSE, HSE construction and commissioning.
- Provide assistance to Departmental Managers and Project teams in establishing and implementing the relevant HSE managements systems, plans and procedures.
- Check and sign-off all TKIS Thailand HSE management procedures and project plans.
- Monitor and audit TKIS Thailand operations and projects in order to provide evidence based reports to relevant Corporate, Departmental and Project Managers to effectively assess and improve project performance in HSE.

Project HSE Manager / Coordinator(s)

The role of the HSE function depends on the scope of work. On minor projects the HSE function may be incorporated into another role, on medium and larger projects the HSE function may include a manager, consultants and advisers for engineering and construction and commissioning phases.

The primary role of project HSE personnel is assisting the Project Management team implement the TKIS Thaialnd HSE management systems. Project HSE Managers / Coordinators generally report to the Project Manager, Site HSE Advisors generally report to the Construction Manager.

Key responsibilities include:

- Assists the Project Manager prepare the Project Execution Plan, and subordinate HSE management plans and procedures.
- Liaise with the TKIS Thailand HSE Manager developing an ongoing implementation of project HSE systems.
- Coordinate required project approvals excluding those typically carried out by procurement.
- Coordinate HSE engineering activities including managing HSE safety engineering / environmental consultants, coordinating the maintenance of relevant records and the distribution of these to the Client for provision to relevant government authorities for approvals etc.
- Prepare relevant HSE documentation for input into RFQ. Assess contractors and subcontractors in accordance with the TKIS Thailand HSE pre-qualification processes.
- Lead and/or participate in the relevant risk management activities for engineering and construction. This may include Engineering HAZID, HAZOP, SIL, constructability reviews, and construction HAZID etc.
- Prepare relevant strategies and plans to setup and establish project sites with respect to HSE, in some cases this will include the provision for appropriate security. Develop site-specific plans, procedures and training programs prior to mobilisation to site.
- Monitoring and audit contractors and subcontractors that work for or under TKIS Thailand direction. Provide evidenced based reports to the Project and Construction Managers as appropriate.

- Coordinate and carry out the functions under the project HSE systems including provision of training, monitoring of work, review of work processes including JHA, assessment of critical activities, dissemination of information, participation in other relevant activities.

8 COMMUNICATION AND CONSULTATION

An integral part of the HSE Management system is the open communication of information between all levels of management and employees with the aim to positively influence occupational safety concerns and to ensure that office and site employees are sufficiently informed with regard to the observance of safety and environmental requirements in carrying out their work. An additional objective is to facilitate continuous improvement of the HSE management system through the exchange of experiences.

HSE communication includes:

- HSE induction
- Safety moment as a topic at routine meetings
- Site HSE instruction
- HSE induction of subcontractors
- Site/Commissioning meetings
- Toolbox meetings
- HSE noticeboards
- HSE Alerts

As the person responsible for on-site HSE matters, the site/commissioning manager may delegate this task to other qualified personnel. He/she fulfils his/her supervisory duties not only via the reports he/she receives but also by attending site meetings and spontaneous safety tours. Provisions which govern general HSE requirements, such as safety coordination or corrective action in the case of deficiencies identified during the safety tours, are also determined at these site meetings unless immediate remedial action has been ordered.

8.1 Reference Material

The following documentation shall be either displayed in office, on-site and/or accessible to all personnel:

- HSE policies
- Emergency Response procedures
- Applicable legislative Acts, Regulations, etc.
- Applicable standards.
- Relevant Industry Information
- Relevant hazardous chemical information.

8.2 Site HSE instruction

To accompany the induction of all employees at a location, the site / commissioning staff are informed of the general and specific parameters on their respective job sites prior to taking up their work. Examples of the areas covered are:

- General matters (e.g. site location, organisation, impact from any neighbouring plants)
- Workplace parameters
- Occupational safety requirements (first aid and suchlike)
- Fire and explosion prevention

• On-site pollution prevention

• Matters relating to on-site safeguards/access.

Employees are also briefed on their specific work and made aware of any exceptional hazards and necessary safety measures related thereto.

8.3 HSE induction of the subcontractors

The subcontractors' management personnel also receive on-site induction on the respective conditions and hazards. They then instruct all of their respective site personnel accordingly and document such.

8.4 Site/Commissioning meetings

Any safety measures which need to be taken, in particular to avoid people posing a hazard to each other, are determined in consultation with the subcontractors during routine site/commissioning meetings for the preparation and coordination of site activities.

8.5 Toolbox meetings

Toolbox Meetings will be held regularly on site as determined by the Construction Manager. These meetings shall involve all personnel and be documented by the relevant Supervisor.

The topics covered at a Toolbox Meeting shall include:

- Review of previous minutes.
- Review of hazards and incidents since last meeting.
- Presentation of nominated (by management) HSE topic.
- Discussion of Job Safety Analysis, Method statement or HSE Procedures developed prior to commencement of work.
- General Business.

8.6 HSE Noticeboards

TKIS Thailand office and Subcontractor's work site(s) shall have designated HSE noticeboards to hold relevant HSE data, including:

- HSE Policy Statement
- HSE statistics
- General HSE information
- Emergency communication contacts
- Details of any significant events or performance
- Incident/Accident Investigate Report by document and/or photo related

8.7 HSE Alerts

On-site HSE Alerts will be issued by Site HSE Manager to alert project personnel of incidents or potential incidents and/or injuries that may have occurred on this project or other external projects. They will be issued with the aim of ensuring that measures are adopted so that the risks of similar events occurring on this Project are reduced.

9 TRANING AND COMPENTENCY

9.1 Language

Training shall be provided in both Thai and English, as appropriate.

9.2 Personnel Selection

Through the selection of specific personnel and training measures, TKIS Thailand ensures that the knowledge and skills of the employees assigned to individual tasks meet the relevant requirements.

All personnel engaged on the Project shall have adequate work experience in the task in which they are employed and shall hold the appropriate qualifications / licenses for the position.

9.3 Licenses and Certificates of Competency

All persons shall have adequate qualifications and work experience to perform the task for which they are employed.

On site, all personnel performing activities or tasks on the project that require licenses or certificates of competency, shall submit a current copy of all the relevant licenses or certificates of competency to the Site HSE Manager and/or the responsible person for controlling prior to the Site Induction.

Subcontractors must be able to produce evidence of certification or competence of their employees prior to mobilisation.

Subcontractors must have a training and competency assessment process for relevant work including the use of portable and mobile plant and equipment.

Copies of all certificates shall be maintained.

9.4 Induction & Training

All TKIS Thailand personnel will receive the office HSE induction training by HSE department and for individual project site all site personnel including subcontractors will receive site induction training prior to commencing work. The site induction will cover detail of site layout, facilities and emergency equipment and muster locations, as appropriate.

The HSE training course is determines as per the HSE requirements and law regulations. The Construction manager and their representatives, who are responsible for health, environment and safety issues on the job site, as well as all other TKIS Thailand employees who are operationally active on job sites, receive special training on courses as required for each job site operation and/or specified by TKIS Thailand HSE requirements and/or law regulations, e.g. confined space training.

The individual specific construction training procedure and training plan will be established, as appropriate. All training records shall be maintained.

10 HSE RELEVANT PROCESSES

10.1 Bid preparation

The bid preparation steps comprise activities which ensure that HSE requirements are identified via an assessment of the hazard potential and that measure for implementing the requirements are defined by means of workflow steps and can thus be costed.

10.2 Project Management

The project management ensures that contractual HSE requirements are taken into account, and that measures for their implementation are defined and specified in the contract-related quality manual as tasks to be fulfilled.

The status of completion is recorded and set forth in a project status report at regular intervals.

10.3 Engineering

The engineering procedures describe all essential plant design activities. They ensure that the HSE requirements are defined by means of engineering specifications to be adapted to each specific contract.

The respective engineering activities in the QM element engineering relate to the following fields:

- Process engineering
- Piping engineering
- Instrumentation engineering
- Electrical engineering
- Civil/Structural engineering
- Mechanical engineering.

Technical and checking instructions as well as engineering specifications have been drawn up for matters with special relevance to HSE, e.g. safety analyses, HAZOP studies, safety reports, fire protection and evacuation routes, in order to ensure that plant engineering activities meet a minimum quality standard and that they are checked and approved by suitably qualified persons.

The requirements defined in the contract-related quality manual also apply in the case of cooperation with external engineering partners.

10.4 Procurement

The procurement shall ensure that the equipment and services procured meet the requirements.

Once the requirements defined by the project management team have been translated into design specifications for suppliers and subcontractors by the relevant departments during the engineering phase, they also serve as procurement requirements.

The Procurement division is responsible for the procurement and, in consultation with the project manager and the engineering departments, selects qualified suppliers and contractors.

Observance of the technical requirements and schedules is monitored, if necessary, by means of on-the-spot inspections.

10.5 Construction work

The procedures relating to the control and monitoring of construction work are also defined in QM procedures, which are supplemented by work, technical and checking instructions.

Process control for the work performed by partners, subcontractors and suppliers is based on the applicable QM/HSE system. In cooperation with other partners (consortium partners, subcontractors), the interfaces with TKIS Thailand are governed by contracts containing a detailed description of the services to be rendered.

Interfaces and handover points must be compatible with the QM/HSE management system.

The selection of suitable subcontractors and contractual agreements for the construction work ensure that:

- Qualified, trained personnel are assigned to the work
- Suitable methods, facilities, devices and tools are used
- The QM/HSE requirements are met and documented.

Regular on-site inspections ensure that deficits are identified and eliminated at an early stage.

10.6 Commissioning

The commissioning phase is governed by related QM procedures specified in plant operation, analysis and operation manual drawn up during the engineering phase. During the commissioning phase these are checked for completeness and correctness and amended if necessary.

Introduction of process/utility streams into a plant will generally involve the Clients operating personnel and application of Client permitting procedures. Health, safety and environmental considerations are therefore a primary concern during all commissioning activities. Employees involved in the commissioning work also undergo compulsory health, environment and safety training in accordance with the HSE requirements. Performance of the work and observance of the defined safety measures is monitored.

11. HSE IN DESIGN

Occupational health safety and environment requirements for construction, fabrication, installation and commissioning are identified as design inputs and where practicable eliminated during the development of the detailed design. The objectives and acceptance criteria are identified and processed in accordance with all legislative and client requirements.

Checking of engineering designs and documents for HSE aspects during the detail design phase is vital in order to achieve acceptable standards of quality before related engineering designs are committed to manufacture and/or construction. Verifying the detail design thoroughly is an essential element to achieving a safe plant layout in accordance with industry best practices and Safety Standards.

The engineering manager shall ensure that all designs are undertaken using the principles of safety in design. At nominated stages in the design process, HAZID's shall be conducted in consultation with client to ensure that all hazards are identified and solutions are incorporated into design.

Safety Design Basis for Project

For each new project a Safety Design Basis is established in conjunction with the client that reflects the respective philosophies of both the client and TKIS Thailand, whilst recognising budgetary constraints.

The Safety Design Basis will identify the Design Reviews and Safety Reviews to be included in the project scope and their place in the schedule. Typical reviews to be included are:

- Layout Safety Design Review
- Relief & Blowdown Systems Design Review
- Piping & Instrumentation Diagram (P&ID) Review
- Hazard and Operability Study (HAZOP)
- Safety Integrity Level Study (SIL)

The Safety Design Basis will also nominate the key philosophies to be prepared for the project, for example:

- Equipment Isolation Philosophy
- Emergency Shutdown Philosophy

11 MANAGEMENT OF CONSTRUCTION CONTRACTOR

The method for managing Contractors and Subcontractors engaged to carry out physical work on TKIS Thailand project sites is described in this section. This approach ensures that appropriately experienced and qualified contractors are engaged to carry out work on TKIS Thailand project sites safely and in accordance with all HSE requirements.

TKIS Thailand, our Client and regulatory requirements set the minimum standard for work to be performed on project sites. These requirements are included in Request for Quotation and Contract documents. Contractors are subject to a HSE evaluation prior to contract award.

The general approach for managing contractors and subcontractors includes the following:

- Pre-qualifying contractors under the TKIS Thailand Contractor HSE Assessment procedure. This is typically for on site-based contractors and subcontractors. This may include carrying out HSE audits at potential contractor premises or project locations.
- On a case by case basis it will apply to fabrication facilities. This may include carrying out HSE audits at potential contractor premises or project locations.
- Inclusion of the Project HSE Management Plan, Contractor HSE Management Specification (and relevant procedures), and summary cost related elements within Expression of Interest, Request for Quotation, and contracts.
- HSE assessment of RFQ for compliance to HSE requirements.
- Kick-off meetings to discuss document deliverables, and relevant administrative processes. A key component generally is mobilization of personnel to site.

During the course of the contract, Contractor performance is monitored to ensure contractors comply with all HSE requirements. Contractors are issued with action requests as required and ensure that close out of actions happen in a timely manner.

At the completion of the contract the Contractor's HSE performance, including conformance with HSE systems is reviewed to determine their suitability for future work with TKIS Thailand.

12 RISK / HAZARD MANAGEMENT

Throughout the duration of the project, hazard identification tools and techniques shall be used. Hazards and risks that are identified shall be managed by thoroughly assessing each hazard and implementing agreed control measures.

13.1 Construction Hazard Identification Review (HAZID)

HAZID reviews will be held at each defined phase of the project, with representation from each stakeholder present at the review process.
The HAZID review will be conducted in a formal, structured process, with all identified hazards recorded, along with the risk rank, possible remedial actions, date for closeout and person(s) responsible for the close out. In the event that a hazard cannot be totally eliminated or engineered out, the objective shall be to reduce the risk to as low as reasonably practicable. The results of the review shall be documented.

13.2 Risk Assessment

During the early engineering phase and initial model review a risk assessment of the construction activities will be undertaken and a specific list of construction operations that will require special attention identified. Each identified risk will then be assessed separately hazards identified, the risk to Health, the Environment and Safety assessed. The assessment should characterise the risk in terms of severity and probability. From the risk assessment, a method statement shall be developed which at best would eliminate the risk or as a minimum, would contain the risk to an acceptable level.

All hazards identified shall be assessed in accordance with the "Risk Assessment Matrix" taking into account the probabilities of occurrence and severity of consequences in relation to personnel and assets of the project and surrounding environment.

The Site / Construction management team is committed to involving personnel at all organisational levels in the hazard assessment process and shall draw on the expertise of TKIS Thailand, Subcontractors, HSE Personnel and employees directly involved in the risk area.

Any measures required for the protection of employees are determined on this basis, and employees and subcontractors are informed thereof.

Subcontractors are obliged to carry out risk assessments for their personnel. The site/construction manager makes spot checks to ensure that this is observed.

13.3 Detailed Job Method Statement

Detailed Job Method statements shall be prepared for all work which has risks to Health, Safety or the Environment, as determined by risk assessment. This method statement will describe the work procedures, sequence of operation and the controls necessary to achieve effective management of risk, and efficient execution of the works. Included in the method statement will be any specific project requirements in order to ensure the methodology conforms to the safe practice.

13.4 Job Safety Analysis (JSA)

Changes to work activities can occur for a variety of reasons. The hazard arising from such changes may require a formalised risk assessment. In these circumstances the management team shall use Job Safety Analysis (JSA) as the means to assess the risk of any procedural change, in addition to any previous risk assessments that have been undertaken. JSA shall also be utilized to reassess critical activities.

JSA is a process where the hazards associated with each step of each job are identified, and control measures are put in place to minimize the risk to clients, staff, equipment and property.

13.5 Risk / Hazard Control

Following the risk assessment process, personnel shall determine control measures for the hazard by following the hierarchy of control. The hierarchy of control refers to the systematic strategy used to control exposure. The controls are ranked in order of the effectiveness and desirability.

- Elimination
- Substitution
- Engineering
- Administrative
- Personal Protective Equipment (PPE)

13.4 Take 5

The Take Five Step is to consider what the consequences of each work activity will be prior to performing the task. Having thought the job through and identified each step, and its relevant hazards, the work can proceed in a safe manner with obvious hazards, risks and poor or unsafe work practices eliminated.

It is the responsibility of each individual performing any task to apply the "Take 5" step prior to commencement of the job, which is to:

- Stop and Look
- Think through the Task
- Identify Hazards
- Control and communicate
- Go do the job safely

13.5 Hazard Observation and Reporting

The reporting of all observed hazards shall be encouraged so that they are investigated and assessed to ensure timely remedial / preventive action(s) are taken.

Hazards or dangerous conditions that present high or extreme risk to people, plant, equipment or the environment must be made safe if safe to do so and/or barricaded and reported immediately to the Supervisor.

13.6 Workplace Inspection

The workplace inspection will be conducted to identify potential hazards and to initiate corrective action to ensure compliance with the HSE management system, UTL's requirements, Client's requirements for each individual project site and relevant legislation.

13 GENERAL HSE

Housekeeping

An effective housekeeping programme is an essential aspect of HSE performance whether it relates to compliance with legislation, fire prevention, minimising trips and falls or ensuring good access.

The emphasis will be placed upon individuals taking responsibility for their own housekeeping, but this shall be supplemented by a dedicated housekeeping resource. The offices / sites shall be maintained to a high standard of cleanliness. Supervisors will be expected to review and rectify their respective work areas as required on a daily basis.

Fitness for Work

No person shall be allowed onto the Project work site or office while under the influence of alcohol or non-prescribed drugs or if otherwise deemed to be in a harmful physical or emotional condition.

For Confine Space Work, in the event of an employee using prescribed legal medication, the employee must advise his/her Supervisor by completing a Medical Advice Form prior to the commencement of any work on the project. The Site HSE Manager shall retain the Medical Advice Form as a confidential document.

Permit to Work System

The objectives of the Permit Systems shall include, but are not limited to ensuring:

- A safe system of work and all necessary precautions are in place and implemented.
- The proper authorisation is obtained for all work to be performed.
- Substances, which endanger personnel and/or the environment, are isolated.
- Potential hazards are identified and precautions necessary to minimise any risks are implemented.

Before any request for a Work Permit is submitted, a full Job Safety Analysis & Method Statement shall be submitted to HSE personnel for approval.

First Aid Facilities

The HSE Committee shall ensure suitable First Aid facilities that meet legislative Codes of Practice requirements as minimum standards are provided. Adequate numbers of persons with first aid qualifications shall be available to provide treatment whenever there are personnel working on site.

Hazardous Substances and Dangerous Goods

This shall comply with relevant of Thai Law requirement for Hazardous Substances and Dangerous Goods.

Hazardous substance or dangerous goods shall not be brought into office / on site unless they are packaged and labelled in accordance with the relevant legislation and an MSDS for the substance must be submitted.

Personal Protective Equipment

The use of personal protective equipment (PPE) is required for the protection of employees in the case of construction or commissioning work for which the hazard potential cannot be sufficiently reduced through technical and organizational measures to eliminate the risks involved.

However, priority is first to be given to the principle of examining and exhausting the possibilities of technical and organisational action to reduce risk to employees before the use of personal protective equipment is stipulated.

Occupational safety specialists assist the heads of department in determining the personal protective equipment required by their employees for the respective operational assignment.

On request, PPE, e.g. hard hats, safety shoes or face masks, as well as working and weatherproof clothes, will be procured and made available to employees free of charge.

The use or implementation of PPE by the employees is obligatory and is monitored by the site/construction manager.

Subcontractors are contractually obliged to provide their employees with the relevant PPE.

Fire Prevention

Fire prevention and protection shall form part of the Emergency Response Procedure. In outline the philosophy shall be that:

- All work shall be conducted in a manner to minimise the risk of a fire.
- Storage of flammable materials in a systematic and controlled way.
- The HSE Manager shall authorize use and storage location of flammable materials.
- Training on basic fire prevention and suppression to be included in the HSE Action Plan.
- Containment methods to be employed at any potential sources of ignition e.g. Fire proof blankets around welding operations and flame cutting operations.
- Adequate fire protection equipment to be located in areas of hot work.
- Fire fighting equipment is readily available in the event of fire.
- Strict adherence to Permit to Work requirements.
- Strict adherence to smoking areas.

Fire extinguishers and fire fighting equipment shall be checked at the defined intervals and recharged or replaced immediately after use. All air and water hose equipment must be put back in place after use. Access to such equipment must not be obstructed. When a fire extinguisher is used, the occurrence shall be reported in an incident report.

14 ENVIRONMENT PROTECTION

In addition to the environmental protection requirements which stem directly from the engineering contract and which are incorporated into appropriate plant specifications, environmental protection measures are also specified in the site regulations during the construction and commissioning phases.

Plants are designed to meet local environmental regulations and permit requirements as per the contract. The technical parameters which are necessary to achieve these goals are defined in specifications for the procurement and erection of the plant and its components. The parameters defined in the specifications are verified during the commissioning phase following procurement and erection of the plant.

In order to ensure environmental protection on the job site during the erection and commissioning phases, the site regulations cover the handling of hazardous substances, the disposal of chemicals and materials and also soil, air and water/groundwater conservation as well as noise abatement. These regulations are to be observed even by subcontractors during all site activities.

TKIS Thailand HSE personnel shall conduct monitoring activities on assess the effectiveness of the necessary controls in achieving compliance to environmental requirements.

15 INCIDENT / INJURY REPORTING AND INVESTIGATION

In order the meet the HSE objectives, the effective reporting and investigation of incidents/ injuries is crucial in order to:

- Preventing recurrence of similar incidents.
- Rectifying system inadequacies.
- Involving and educating personnel.
- Informing regulatory and other bodies.

The Incident/Accident Reporting and Investigate shall follow the HSE procedures.

15.1 Incident / Injury Reporting

All near misses, injuries and incidents, regardless of how minor, are required to be promptly reported and investigated to accurately identify and evaluate the immediate and contributory causes to enable prompt and effective corrective actions to be implemented.

15.2 Incident Response

The Supervisor and Manager (or delegate) shall ensure that the scene of any incident is secured and made safe to prevent any continuation or escalation.

The related manager shall also ensure that details of the incident are gathered as soon as possible so that no evidence is lost or forgotten. As a minimum, the standard Incident/Injury Report Form shall cover most of the information required. However, additional material detailed below shall be obtained to assist the investigation:

- Photographs of incident site/injuries
- Special evidence conserved for further research
- Detailed statements taken from witnesses

Based on the preliminary evidence, the related manager shall decide how the detailed investigation shall be completed and by whom. The Investigation Team shall seek expert advice if needed to complete the investigation.

15.3 Investigation and Follow-up

In the event of a near loss, incident or injury, the investigation team shall carry out a Root Cause Analysis to determine the cause(s) of the loss and recommended solutions.

Trends will be evaluated, remedial action taken and where necessary, standard work procedures revised and published.

The related manager shall be responsible for ensuring that all remedial or corrective actions identified through the investigation of an incident are taken to ensure adequate closure of the incident.

15.4 Incident Notification

Initial notification of all incidents to the supervisor/manager/safety committee shall be as soon as is practicable. This will be followed by a written incident report within 24 hours.

Any incidents which are required to be reported to a statutory body shall be carried out in consultation with the HSE Manager.

15.5 Injury Management

Subcontractors shall provide Workers Compensation Insurance for all employees and other persons deemed to be an employee as required by legislation.

Subcontractors shall commit to rehabilitating injured employees and submit a Rehabilitation Plan which shall ensure intervention with appropriate, adequate and timely services based on assessed needs and which is aimed at maintaining injured or ill employees in suitable employment.

The Site HSE Manager shall be contacted as soon as practicable following any injury that requires medical treatment to project personnel.

Where Subcontractors have Rehabilitation Coordinator and/or Provider, those contact details shall be provided to the Site HSE Manager.

15.6 HSE Statistics

HSE statistics shall be recorded by using the standard HSE Statistics form and all records shall be maintained.

Injury & incident numbers and frequency rates shall be recorded for:

- Lost Time Injuries
- Restricted Duties Injuries
- Medical Treatment Injuries
- First Aid Injuries
- Reported Incidents
- Number of Days Lost, and
- Total Recordable Injuries

Monthly summary statistical reports shall record injury frequency rates, duration rates, near miss, environmental and vehicle incidents.

16 EMERGENCY RESPONSE

The emergency response procedure shall be followed to ensure damage limitation in the event of an emergency situation by means of technical equipment and effective procedure for raising the alarm and averting danger.

The applicable local regulations and the customer's requirements regarding emergency protection, such as fire protection measures, safety equipment and other alarm, protection and safety systems, are taken into account during plant design.

The site emergency response procedure is drawn up for the job site in preparation for emergency situations. This procedure cover:

- A description of where emergency equipment is located
- An alarm plan with whom to inform in an emergency, the reporting paths and the relevant telephone numbers.
- Evacuation and emergency access routes, rescue equipment, assembly points.
- A layout plan for the fire brigade
- Organisation of first aid
- Responsible personnel
- Cooperation with local authorities, hospitals and doctors.

By displaying appropriate signs in the office / on the job site as well as providing information and training, it is ensured that all employees are aware of emergency regulations, such as the use of available face masks, and that these are observed. If the job site is part of a larger plant complex, the available infrastructure may be specified if the customer consents thereto. In such cases appropriate practice drills may be held if discussed beforehand with the customer.

17 MONITORING PERFORMANCE

17.1 HSE Audits

HSE audits use the relevant components of the Quality system for auditing e.g. audit plan, audit report, performance improvement requests.

HSE audits are carried out to check and assess the effectiveness of the HSE management system or parts thereof with regard to whether the requirements are being met. These may include internal audits and third part external audits. The primary objective of an auditing program is to offer a means of continual review and improvement of HSE management system.

They may be conducted in all organisational units of the company, on the job site and during commissioning.

They are carried out by an auditor not involved in the activity to be audited within the framework of an audit programme prepared beforehand. The audits include questioning those being audited, inspecting documents and assessing site/commissioning safety precautions.

On the basis of the audit findings, those involved determine any necessary corrective/ preventive action. The findings and action to be taken are summarised in the form of an audit report, the implementation and effectiveness of which is monitored.

17.2 HSE Inspections

The aim of HSE inspections is to ensure that the HSE regulations are being observed on the site and to provide evidence thereof.

HSE inspections are conducted in the form of site rounds by a group of people which includes all subcontractors and is defined if necessary in conjunction with the customer, who may even be included

in this group. The site/commissioning manager is responsible for these inspections being carried out. In the case of major sites with a relatively large volume of work he/she is assisted by qualified specialists.

The following points are checked during these HSE inspections:

- Observance of the safety rules and regulations
- Use of PPE
- Cleanness and order
- Hazardous situations and action
- Handling of hazardous and pollutive substances
- Condition of emergency equipment (e.g. first aid kits, fire extinguishers)
- Condition of tools, equipment, machinery and site facilities
- Work involving an increased hazard potential.

The HSE inspections provide evidence that our contractual obligations and those of the subcontractors have been met. Any deviations which are identified are documented in the HSE inspection report. The persons responsible for taking action in each case are either informed in writing of any necessary corrective and preventive measures or are ordered to take immediate action. It is then ensured that this has been acted upon.

17.3 Testing / Inspection of Erection Machinery and Equipments

The aim of testing/inspecting plant erection machinery and equipment is to ensure that only suitable machinery and equipment which has been tested / inspected at the prescribed intervals is used for construction and commissioning activities. This obligation is contractually agreed with the subcontractors. It is ensured that there is a system for planning, implementing and monitoring these tests/inspections.

Machinery and equipment which is subject to testing/inspection includes e.g.:

- Electrical equipment
- Earth-moving machines, pile drivers, boring tools
- Cranes, lifting platforms, forklift trucks
- Technical sundries (various types of ladders)
- Other safety equipment (safety harnesses, fire extinguishers).

The respective subcontractors arrange for the machinery and equipment to be tested /inspected by suitably qualified employees or specialist firms.

The site/commissioning manager performs his supervisory function by carrying out checks on the subcontractors' premises, if necessary with the assistance of qualified personnel.

18 CORRECTIVE AND PREVENTIVE ACTION

Corrective/preventive action is determined after the systematic evaluation of:

- Accident notifications and reports
- Customer complaints
- Nonconformity/deficiency/damage reports
- Safety analyses
- Project and site reports

- Inspection reports
- Audit records

And aims to improve the TKIS Thailand's QM/HSE system, the goal is being to prevent the causes of accidents and nonconformities and to learn from the past mistakes.

The respective divisional head is responsible for implementing the action. If the action is cross-divisional, it is coordinated by the corporate QM/HSE manager.

Both incidents and accidents are recorded for the purpose of taking preventive action. If an immediate situation requires it, direct preventive action is taken, e.g. fresh instruction at toolbox meetings.

19 PROJECT HSE MANAGEMENT PLAN

HSE project management plans define right from the bid stage which procedures and measures are to be observed in respect of the contract in order to ensure occupational health, safety and environmental protection.

HSE requirements are included in the contract-related quality manual on the basis of the contract and these are then defined in HSE project management plan by consolidating various works, technical and checking instructions. The plans cover subjects relating to plant design, such as:

- Safety concept
- Fire and explosion prevention concept
- Emergency power concept,

As well as monitoring of the engineering, such as the:

- HAZOP study

And the conduct of persons on the construction site and during commissioning, such as:

- Site regulations and a site organisation chart.
- Organisation of first aid provision (procedure, local conditions).
- Requirements for the reporting of events (report lines, information content).
- Regulations on handling substances which may pollute the environment.
- Requirements regarding the noise abatement levels to be observed.
- HSE inspections.
- Staff training requirements and HSE instruction for specific tasks (HSE training).
- Requirements for the occupational health care of employees at the respective location.
- Determination of personal protective equipment in the respective hazard area.

The requirements in the HSE project management plans form an integral part of the contracts concluded with subcontractors who are to work on the respective sites.

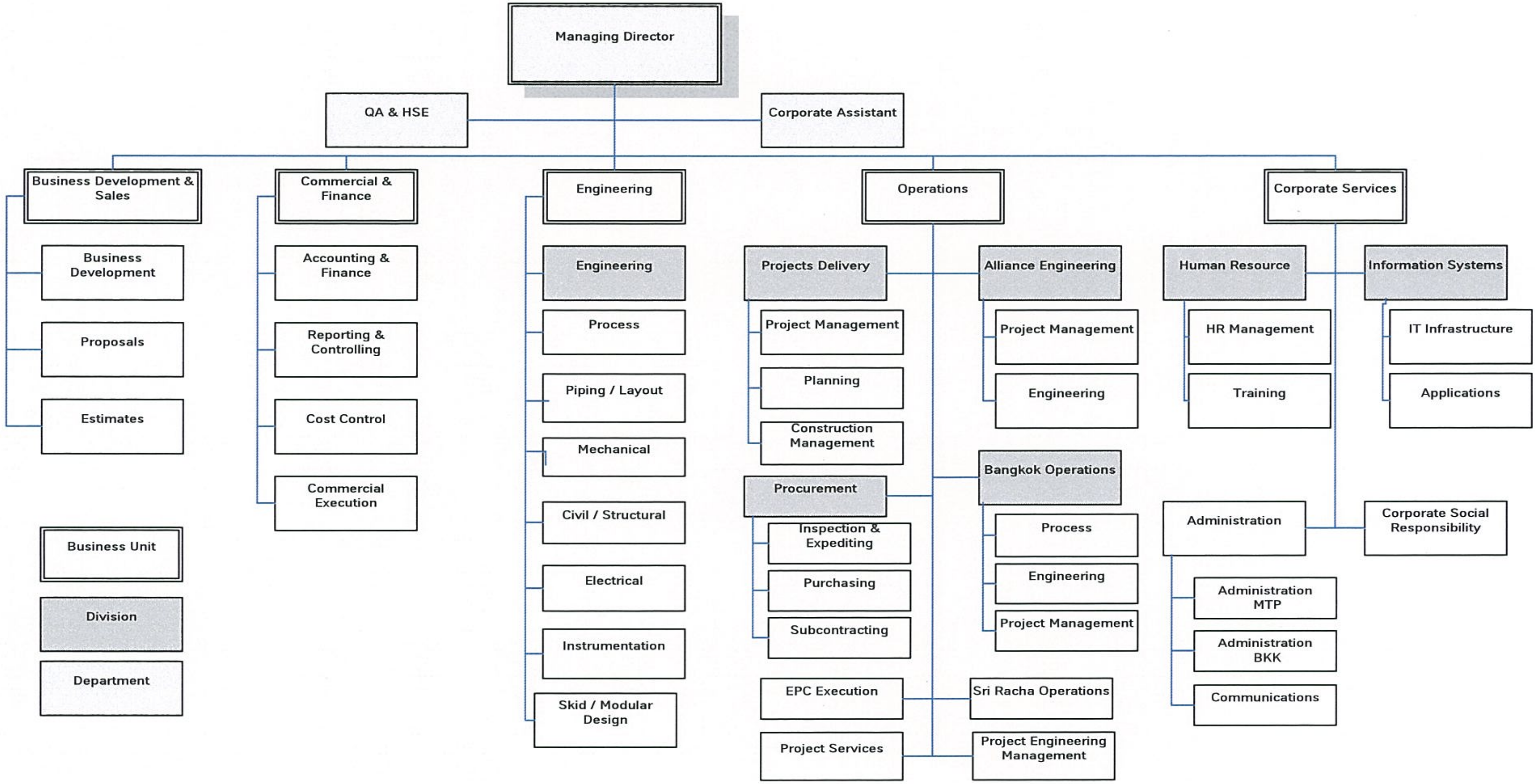
20 MANAGEMENT REVIEW AND IMPROVEMENT

The key performance indicators and compliance with objectives shall be reported to the HSE Committee monthly. The HSE Committee chairman will submit analyses of results and recommendations in the Management Review meetings as required.

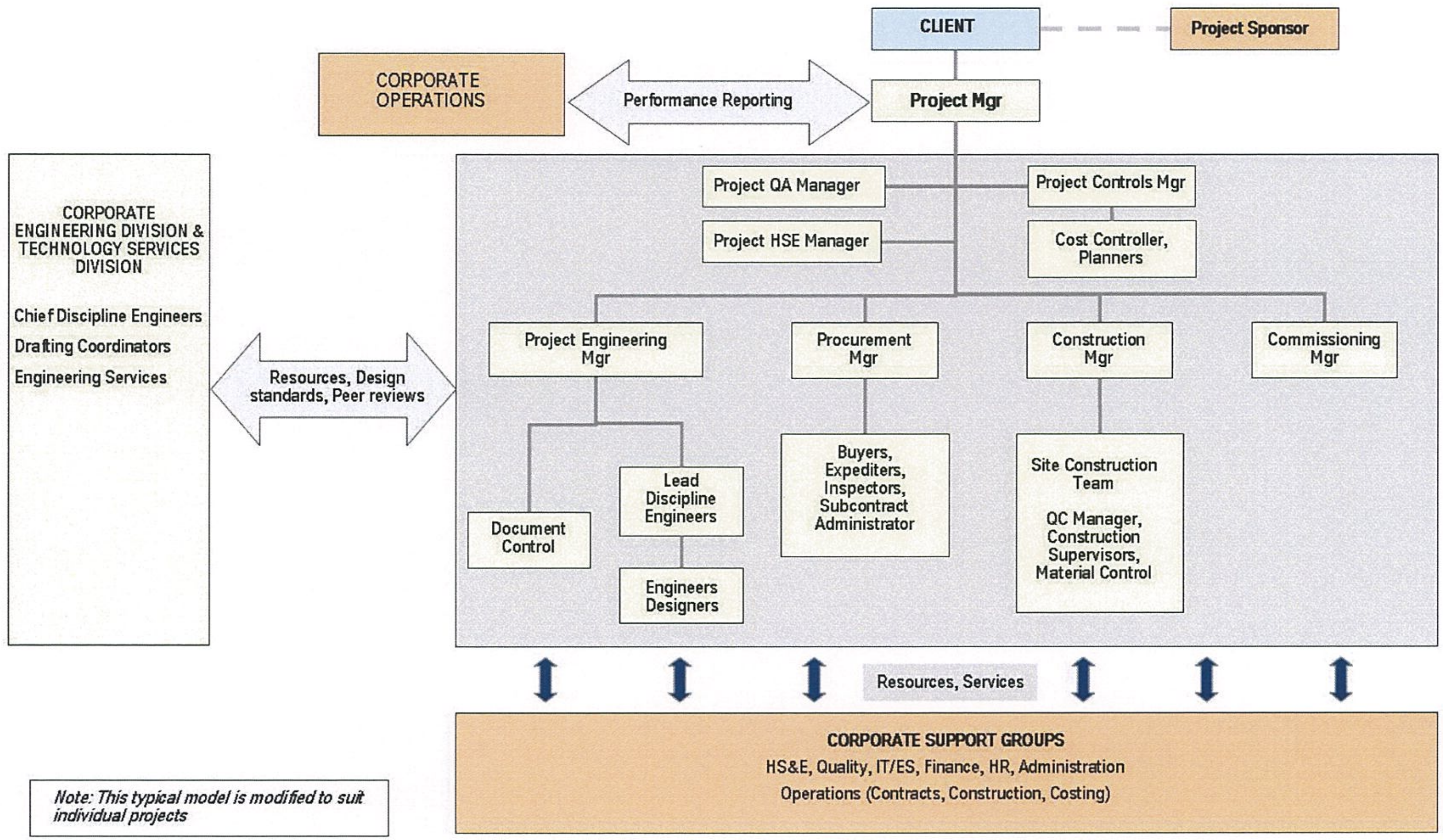
21 LIST OF APPLICABLE HSE PROCEDURES

Procedure Number	Descriptions
PR-00000-TL-HSE-001	Model Environmental Management
PR-00000-TL-HSE-002	HSE Meetings
PR-00000-TL-HSE-003	Incident Injury Investigation
PR-00000-TL-HSE-004	Incident Injury Reporting And Notification
PR-00000-TL-HSE-005	Job Hazard Analysis
PR-00000-TL-HSE-006	Office Safety
PR-00000-TL-HSE-007	Model Pre Placement Medical
PR-00000-TL-HSE-008	Positive Operational Target System
PR-00000-TL-HSE-009	Alcohol And Other Drugs
PR-00000-TL-HSE-010	Model Injury Management Plan
PR-00000-TL-HSE-011	Emergency Response
PR-00000-TL-HSE-012	Contractor HSE Prequalification Assessment
PR-00000-TL-HSE-013	Hazard Reporting
PR-00000-TL-HSE-014	Hazardous Substances
PR-00000-TL-HSE-015	HSE Disciplinary
PR-00000-TL-HSE-016	Management of Critical Incident
PR-00000-TL-HSE-017	Take Five
PR-00000-TL-HSE-018	Dangerous Goods Management
PR-00000-TL-HSE-019	Electrical Safety
PR-00000-TL-HSE-020	HSE Inspections
PR-00000-TL-HSE-021	Personal Protective Equipment
PR-00000-TL-HSE-022	Tagging Procedure Work Guideline
PR-00000-MT-HSE-001	Office Permit to Work - Map Ta Phut Office

Annex 1: Organisational Structure of TKIS Thailand



Annex 2: the diagram of a Typical Project Team



Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 10

Fire Prevention Measures

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

AVA
AVA GAS COMPANY

Fire Hazard Prevention Plan

Due consideration has been given to latest and strictest international standards for the design, construction and operation of the Ava Gas Company facilities.

Ava Gas Company intends to carry out the import, storage, bottling and distribution of Liquified Petroleum Gas in the Thanylin Township. This fire prevention plan has been drawn up by Ava Gas Company to manage fire hazards and specifically to extinguish any fires.

Fire water systems and pumps are featured in the design of the LPG terminal in order to comply with the relevant and latest international systems for captive fire fighting systems at LPG terminals.

1. Purpose

The purpose of this plan is to outline a series of rules which should be obeyed in order to avoid outbreak of fire which may cause damage and harm to the plant, facilities, employees and surroundings of the plant and facilities.

2. Facts of fire hazardous

The primary observances with respect to fire hazards are

(a) Deliberate starting of fire by criminals..
(b) Incorrect use of electric power facilities.
(c) Negligence in the use of naked flames and other hazardous materials and sources of ignition.
(d) Failure to close of any fires within a limited area and the spread of fires to surrounding buildings and areas.

The following measures will be employed to prevent the outbreak of fires and to manage any incidences which may arise in relation to fires

(a) Continual and ongoing and health and safety education to all staff and contractors whom have access to the site.

(b) To correspond and coordinate with local fire brigade for increasing awareness within the facility and for coordinating procedures for dealing with any possible risks or incidents as they arise.

(c) To have sufficient on-site and accessibly displayed fire fighting equipment including extinguishers, firefighting sand and foam and where appropriate to use fire doors and to ensure that all staff are fully trained in the effective and safe use of such preventative measures. This includes having appropriate alarms installed and where appropriate sprinkler systems.

(d) Have proper, safe rigorous evacuation procedures in place at the plant to ensure timely evacuation of all employees in the event of an alarm including effective coordination with the fire brigades as per section (b) above. These methods and procedures are to be tested at least once a month to ensure that all persons involved are familiar with the procedures and to make sure that any problems are identified and resolved promptly.

(e) Strictly prohibit any hazardous practices including the use of naked flames, smoking and other hazardous activities and to have proper procedures in place to educate staff and reprimand transgressors.

(f) Ensure that fire hazard notices such as posters, warning signs and information boards are displayed prominently throughout the facilities and property.

(g) Ensure that evacuation routes, paths and doorways remain unblocked at all times and that no obstructions are placed that may limit their effectiveness in the case of fire.

(h) Ensure that the fire fighting equipment on site is routinely checked at least once every fifteen days and that detailed reports are kept of the firefighting equipment after each check and that the facilities and equipment are upgraded and maintained as required.

(i) Ensure that all electrical wiring is well maintained and to have systematic procedures in place to check electric wiring routinely and to keep records of the checks.

(j) Ensure that access to fuse boxes and main switches remain clear and unobstructed for easy access at a time of any hazard arising.

(k) To switch off all electrical equipment when it is no longer required.

(l) To write following phone numbers for contacts at the time of fire hazadous in apparent Public Place;

(i),FireBrigade	191/ 252022 / 1252022
(ii) Fire Brigade,Hlaing TharyarTownship	640364 / 640394
(iii) Fire Bridage, Shwe PyitharTownship	635270
(iv) Fire Brigade, Insein Township	640070 / 640987
(v) Fire Brigade, Bayintnaung	664743 / 681648
(vi) Police Station (Emergency)	119
(vii) Police Station (Yangon Region)	285214
(viii) Police Station (Hlaing Tharyar)	640843
(ix) Police Station (Insein)	640010 / 640021 / 640493
(x) Peace and Development council (Hlaing Tharyar Township)	685274 / 244974
(xi) Managing Director	**Ava Gas Company Limtied**

(m) To place the following fire fighting equipment at the place of appearance and easy place;

(i) Fire extinguisher
(ii) Sand
(iii) Water bucket
(iv) Fire Plate
(v) Hook
(vi) Torch light
(vii) Axe

Keep management of Ava Gas Company Limited continually appraised of procedures and reports as detailed above and ensure continuous review of these procedures and make sure that coordination with relevant authorities including fire brigade.

3. Organisation of teams

Organise effective teams for fire hazard management as well as security organisation with guidance of the Managing Director.

4. Duties of Fire Hazardous Organisation

(a) Knowledge of location of fire fighting equipments

(b) Knowledge in both the use of the aforementioned firefighting equipment and the capacity to train other staff and personnel in the safe and effective use of the equipment.

(c) Capacity and knowledge to deal with any small fires to prevent them from escalating and marshalling others during evacuation and safety drills and procedures.

(d) Providing safe and effective support under the direction of the fire brigade upon their arrival.

(e) Knowledge of location of fuse boxes and switches to ensure they are turned off in the event of a hazard if it is safe to do so

5**. Duties of Security Members**

(a) To ensure that staff and other individuals are safely evacuated in the event of a fire hazard drill or procedure requiring evacuation.

(b) To ensure the safety of the person and property of the evacuated staff and individuals from the site when they are evacuated to the evacuation points.

(c) To ensure effective coordination and support to and under the direction of the relevant authorities including the fire brigade and the police services as required.

(d) To ensure the security of the property and facilitate during time of hazard drills and actual procedures.

(e)

6. Organisation of Rescue and Transferring Properties

(a) To quickly and efficiently transfer valuable items during times of fire safety drills and also hazard procedures including where required vehicles.

(d) To transfer injured persons to safe places and to ensure adequate first aid and support from medical and paramedical services in a timely and safe manner.

(e) To provide ongoing support and security to any injured employees or those requiring treatment from medical and paramedical services.

End

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 11

List of Products, Production Plan and Product Pictures

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

1. Feedstock LPG

The quality of the LPG received by the unloading facility that is to be stored and distributed is as follows.

Properties	Method	C_3	C_4	Remarks
Mole%				LPG is a combination of C_3 and C_4
C_2H_6		0.71	-	
C_3H_8		97.9	2.27	
i-C_4H_{10}		0.02	43.59	
nC_4H_{10}		1.37	53.44	
C_5+		-	0.70	
Total		100	100	
Vapor Pressure				
Kg/cm2 abs		14.2	4.69	
@ 40 °C		15.9	5.45	
Liquid Density, Kg/m^3 @ 40 °C		456.0	532.40	
BL Conditions				
Flow, Max.		300	m^3/h	Dependant on Ship Pumps
Temperature at Unloading Facility BL		Note 1.	°C	From Ship
Pressure at Unloading Facility BL		Note 1.	bar(g)	From Ship
Storage				
Capacity for		30	days	3,000 MT
No. of Tanks:		4		750 MT each

2. Finished Products - LPG Bottles and Tanks

The LPG is received, stored, mixed and redistributed via truck loading and a bottling plant both in road tankers and in different size LPG bottles..

There are no unfinished products associated with this project.

3. Effluent Streams

The new Loading and Storage Facility effluent streams are:

Effluent	**Ship Un loading**	**Storage**	**Transfer**	**Bottling**	**Truck Loading**	**Disposal Destination**
Oily Drain	Yes	Yes	Yes	Yes	Yes	Slop Storage
Flue Gas	Yes	Yes	Yes	Yes	Yes	Atmosphere
Open Drain	No	No	No	Yes	Yes	WWTP

In addition to the above listed effluents, the following water effluents are anticipated from the new Loading and Storage Facility:

a) Contaminated rain water and floor wash water;

b) Sanitary waste.

4. Products - LPG Tanks for Road Haulage



5. LPG Bottles for Domestic and Commercial Use



CAPACITY PROPANE BUTANE	 5KG 6KG	 7.5KG 8.5KG	 10KG 12KG	 14KG 16.5KG
TARE WEIGHT WITHOUT VALVE	3.6KG	4.2KG	5.1KG	7.9KG
WATER CONTENT	12.5L	18,2L	24.5L	33.5L
HEIGHT	400mm	461mm	587mm	720mm
DIAMETER	305mm	305mm	307mm	307mm
AVAILABILITY	In Market	In Market	In Market	In Market

ASIA AVA GAS COMPANY LIMITED

Annual Production Plan

Year	2016	2017	2018	2019	2020	2021	2022
Bottled LPG sold in Metric Tons							
Total Quantity	24,000	48,000	60,000	80,000	100,000	120,000	120,000
- Size 5 kg							
-Quantity, MTs	6,000	12,000	15,000	20,000	25,000	30,000	30,000
-Values, USD	7,020,000	13,253,760	13,088,088	17,450,784	21,813,480	26,176,176	26,176,176
- Size 10 kg							
-Quantity, MTs	6,000	12,000	15,000	20,000	25,000	30,000	30,000
-Values, USD	7,020,000	13,253,760	13,088,088	17,450,784	21,813,480	26,176,176	26,176,176
- Size 15 kg							
-Quantity, MTs	12,000	24,000	30,000	40,000	50,000	60,000	60,000
-Values, USD	14,040,000	26,507,520	26,176,176	34,901,568	43,626,960	52,352,352	52,352,352
Total Values, USD	28,080,000	53,015,040	52,352,352	69,803,136	87,253,920	104,704,704	104,704,704
Bulk LPG sold in Metric Tons							
Total Quantity	36,000	72,000	90,000	120,000	150,000	180,000	180,000
Total Values, USD	42,120,000	79,522,560	78,528,528	104,704,704	130,880,880	157,057,056	157,057,056
Total LPG sold in Metric Tons							
Total Quantity	60,000	120,000	150,000	200,000	250,000	300,000	300,000
Total Values, USD	70,200,000	132,537,600	130,880,880	174,507,840	218,134,800	261,761,760	261,761,760

ASIA AVA GAS COMPA

Annual Production Pla

Year	2023	2014	2025	
Bottled LPG sold in Metric Tons				
Total Quantity	120,000	120,000	120,000	Sale Factor
- Size 5 kg				
-Quantity, MTs	30,000	30,000	30,000	0.1
-Values, USD	26,176,176	26,176,176	26,176,176	
- Size 10 kg				
-Quantity, MTs	30,000	30,000	30,000	0.1
-Values, USD	26,176,176	26,176,176	26,176,176	
- Size 15 kg				
-Quantity, MTs	60,000	60,000	60,000	0.2
-Values, USD	52,352,352	52,352,352	52,352,352	
Total Values, USD	104,704,704	104,704,704	104,704,704	0.4
Bulk LPG sold in Metric Tons				
Total Quantity	180,000	180,000	180,000	0.6
Total Values, USD	157,057,056	157,057,056	157,057,056	
Total LPG sold in Metric Tons				
Total Quantity	300,000	300,000	300,000	
Total Values, USD	261,761,760	261,761,760	261,761,760	

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 12

Undertaking to deduct employee income tax for salary above threshold

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

ASIA AVA GAS COMPANY LIMITED

83 DAMAZEDI ROAD, SANCHAUNG TOWNSHIP,
YANGON, MYANMAR, 11111
TEL : +9595058916 FAX: +9512304237
EMAIL : hha@avagasco.com

Chairman
Myanmar Investment Commission
1 Thitsar Road, Yankin Township,
Yangon, Myanmar

25th February 2016

Undertaking to Deduct Employee Income Tax and Pay Over to Inland Revenue Department

We, Asia Ava Gas Company Limited, hereby undertake that we will deduct income tax at prescribed tax rates, from all employees whose yearly salary is higher than 2,020,000 Myanmar Kyats and pay over to Inland Revenue Department by submitting appropriate tax returns.

Respectfully yours,

U Htu Htu Aung
Executive Director
Asia AVA Gas Co.,Ltd.

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 13

Environmental Impact Assessment

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

Head Office | 5th Floor, 83 Damazedi Road, Sanchaung Township, Yangon, Myanmar.
Registered Office | 5, Shwe Sabai Lane, Aung Theikdi Avenue, 3rd Quarter, Mayangone Township, Yangon, Myanmar.
+(95) -9 515 0178, -9 502 4117, -9 505 8916, -9 73080745, -9 514 5201 | Fax +95-1 230 4237
htuhtuaung@gmail.com / kthidao@gmail.com | www.agsmyanmar.com

CONFIDENTIALITY(Non-Disclosure) AGREEMENT

This agreement is made on 29th day of September 2015 between the first party, ASIA GUIDING STAR SERVICES COMPANY LIMITED and the second party, Asia Ava Gas Company Limited.

The first party is in possession of confidential information with regard to the process of EIA/SIA Report for Import, Storage, Bottling, Processing, Transportation, Distribution of Liquefied Petroleum Gas, in Bogyoke Village Tract, Plot No. 11,12,13,14,15/2) Field No 675A and 672,Thanlyin Township,Yangon Region, Myanmar, which may have both technical and competitive sensitivity. The first party is willing to take the second party into confidence with regards to this invention.

The second party obviously recognizes that the first party will process EIA/SIA Tasks as an independent Third Party.

The parties covenant, declare and agree as follows:

1. The First Party agrees to implement the following measures between six to eight weeks of net operation period.

- Discovering needs and planning the assessment (Designing the EI,SI according to the purpose of the project)
- Acquiring the baseline-data on
  - Existing data
    - Natural Physical Resources
    - Natural Ecological Resources
    - Human/Economic Development Resources
    - Quality of Life Values
  - Preliminary Investigation
- Identifying and defining the baseline-data according to
  - Environmental and Social Risks and Impacts
  - Labor and Working Conditions
  - Resource Efficiency and Pollution Prevention
  - Community Health, Safety and Security
  - Land Acquisition and Involuntary Settlement
  - Biodiversity Conservation and Sustainable Management
  - Indigenous Peoples
  - Cultural Heritage
- Compilation of IEE for EMP Report
- One-time free minor revision for the final report in case of requirements by some departments and agencies. (Terms and conditions may be applied)

Head Office | 5th Floor, 83 Damazedi Road, Sanchaung Township, Yangon, Myanmar.
Registered Office | 5, Shwe Sabai Lane, Aung Theikdi Avenue, 3rd Quarter, Mayangone Township, Yangon, Myanmar.
+(95) -9 515 0178, -9 502 4117, -9 505 8916, -9 73080745, -9 514 5201 | Fax +95-1 230 4237
htuhtuaung@gmail.com / kthidao@gmail.com | www.agsmyanmar.com

2. The Second Party comprehends the following facts.

- The required processes for Engineering, Geology and Biology Investigations are not included in this cause.
- If those investigations will be further required regarding to the Authorities, the tasks will be processed as the separate project(s).

3. The Second Party agrees to arrange for the following provisions to the First Party in time.

- Provide necessary documents and facts for reference and evidence
- Arrange and participate in the meeting with Executive Officer from Industrial Zone Administrative Committee (if necessary)
- 50% advance payment on date of NDA signed
- 50% final payment on date of Final Report issue

4. The EIA/SIA Process scheme may be carried out tentatively as below.

4 days : Preliminary Investigation

6 days : Issue Preliminary Investigation Report for EIA/SIA

2 days : Review Meeting on PI Report

7 days : First Examination Visit

7 days : Second Examination Visit

7 days : Final Examination Visit

14 days: Compiling, Verification and Validation the facts and issue the Report

5. The first party will deliver the following material to the second party

- One original EIA/SIA/EMP Report and 1 set of hard copy
- One soft copy for EIA/EMP Report

6. Execution and Interpretation

7.1 This Agreement shall not be binding upon either party until it has been executed by duly authorized officers of both parties.

7.2 This Agreement is to be deemed to have been entered into in the Republic of the Union of Myanmar, and its interpretation, construction and the remedies for its enforcement or breach shall be according to the laws of the Republic of the Union of Myanmar.

7.3 Neither party shall assign any of its rights and/or obligations hereunder except with the other party's prior written permission.

In witness hereof, both parties hereto have duly executed this Agreement by its duly authorized officers on the day and year first above written.

Signed on behalf of the First Party



Dr. Kaung Myat Lynn

Director

Asia Guiding Star Services Company Ltd.

Witness 1 :

…………………………………………….

Name : ……………………………………

Title : ……………………………………..

Signed on behalf of the Second Party

………………………………………..

Director

Asia Ava Gas Company Limited

Witness 2 :

…………………………………………

Name : …………………………………

Title : …………………………………

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 14

List of Proposed Directors and Shareholders

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

Asia Ava Gas Company Limited

LIST OF EXECUTIVE DIRECTORS

SR.	DIRECTORS	POSITION	NATIONALITY	NRC/ PASSPORT NO.	ADDRESS
1	Mr Amir Shahran	Managing Director	United Kingdom	AA3013019	50 Cleveland Square London W2 6DB
2	Mr Htu Htu Aung	Director	Myanmar	7/Da Ou Na (Niang) 096558	37, Thiri Street, Hlaing township, Yangon, Myanmar
3	Mr Myo Aung	Director	Myanmar	14/Ma Ma Na (N) 003679	No.226, 5th Floor, Wisara Plaza, U Wisara Road Bahan Township, Yangon , Myanmar
4	MPE Designated person	Director	Myanmar		Office No.44, Nay Pyi Taw, Myanmar

ASIA AVA GAS COMPANY LIMITED

LIST OF SHAREHOLDERS

SR.	SHAREHOLDERS	NATIONALITY	REGISTRATION	SHARE RATIO	ADDRESS
1	Ava Kahyasi Investments Pte Ltd	Singapore	201316402K	**76.5%**	02-01 29 Stanley Street, 068378 , Singapore
2	Guiding Star Group Ltd	Myanmar	1555/2010-2011	**10%**	83 Damazedi Road, Sanchaung Township, Yangon
3	Myanmar Petrochemical Enterprise	Myanmar		**3.5%**	Office No. 44, Naypyitaw, Myanmar
4	Same Sky Construction Limited	Myanmar	1495/2009-2010	**10%**	No.226, 5th Floor, Wisara Plaza, U Wisara Road Bahan Township, Yangon , Myanmar

ACCOUNTING AND CORPORATE REGULATORY AUTHORITY

CERTIFICATE OF GOOD STANDING

Company No : **201316402K**

This is to certify that **AVAKAHYASI INVESTMENTS PTE. LTD.** was incorporated in Singapore under the Companies Act, Cap. 50 on **18/06/2013** and that the company is **LIMITED PRIVATE COMPANY**.

According to our computer records the company is listed as "Live". Its activity (ies) is/are listed as

Activities (I)	:	OTHER INVESTMENT HOLDING COMPANIES (64202)
Activities (II)	:	ACTIVITIES OF HEAD AND REGIONAL HEAD OFFICES (70101)

TAN YONG TAT
ASST REGISTRAR OF COMPANIES & BUSINESSES
ACCOUNTING AND CORPORATE REGULATORY AUTHORITY(ACRA)
SINGAPORE
Dated : 22/05/2014

Receipt Number : ACR0001028286774

REGISTRAR OF COMPANIES & BUSINESSES ★ ACRA

[Note] [Warning]

THE COMPANIES ACT, (CAP.50)
LIMITED PRIVATE COMPANY
MEMORANDUM AND ARTICLES OF ASSOCIATION OF
AVAKAHYASI INVESTMENTS PTE. LTD.

1. The name of the company is **AVAKAHYASI INVESTMENTS PTE. LTD.**
2. The Registered Office of the Company will be situated in the Republic of Singapore.
3. The liability of the members is limited.
4. The share capital of the company upon incorporation is UNITED STATES OF AMERICA, DOLLARS (USD) 1
5. I/We, the several persons/person whose name(s), address(es) and occupation(s) is/are hereunto subscribed is/are desirous of being formed into a company in pursuance of this Memorandum of Association and I/we respectively agree to take the number of shares in the capital of the Company set opposite our respective name(s).

Names, Addresses and occupation of subscribers	Number of Shares	Class of Shares	Currency
LIM LI CHIA (LIN LIJIA), DIRECTOR 620, BEDOK RESERVOIR ROAD, #11-1430, SINGAPORE - 470620	1	Ordinary	UNITED STATES OF AMERICA, DOLLARS

Dated this 18 day of Jun 2013

Articles of Association

FOURTH SCHEDULE

Sections 3 (3), 36, 37 (3), 177 (4).
Aust. 4th Schedule.

TABLE A

REGULATIONS FOR MANAGEMENT OF A COMPANY LIMITED BY SHARES

Interpretation

1. In these Regulations -

"Act" means the Companies Act;

Cap. 50.

"seal" means the common seal of the company;

"secretary" means any person appointed to perform the duties of a secretary of the company;

expressions referring to writing shall, unless the contrary intention appears, be construed as including references to printing, lithography, photography and other modes of representing or reproducing words in a visible form;

words or expressions contained in these Regulations shall be interpreted in accordance with the provisions of the Interpretation Act, and of the Act as in force at the date at which these Regulations become binding on the company.

Cap. 1.

Share capital and variation of rights

2. Without prejudice to any special rights previously conferred on the holders of any existing shares or class of shares but subject to the Act, shares in the company may be issued by the directors and any such shares may be issued with such preferred, deferred, or other special rights or such restrictions, whether in regard to dividend, voting, return of capital, or otherwise, as the directors, subject to any ordinary resolution of the company, determine. The company shall have not more than 50 members (counting joint holders of shares as one person and not counting any person in the employment of the company or of its subsidiary or any person who while previously in the employment of the company or of its subsidiary was and thereafter has continued to be a member of the company).

3. Subject to the Act, any preference shares may, with the sanction of an ordinary resolution, be issued on the terms that they are, or at the option of the company are liable, to be redeemed.

4. If at any time the share capital is divided into different classes of shares, the rights attached to any class (unless otherwise provided by the terms of issue of the shares of that class) may, whether or not the company is being wound up, be varied with the consent in writing of the holders of 75% of the issued shares of that class, or with the sanction of a special resolution passed at a separate general meeting of the holders of the shares of the class. To every such separate general meeting the provisions of these Regulations relating to general meetings shall mutatis mutandis apply, but so that the necessary quorum shall be two persons at least holding or representing by proxy one-third of the issued shares of the class and that any holder of shares of the class present in person or by proxy may demand a poll. To every such special resolution section 184 shall with such adaptations as are necessary apply.

5. The rights conferred upon the holders of the shares of any class issued with preferred or other rights shall, unless otherwise expressly provided by the terms of issue of the shares of that class, be deemed to be varied by the creation or issue of further shares ranking equally therewith.

6. The company may exercise the powers of paying commissions conferred by the Act, provided that the rate per cent or the amount of the commission paid or agreed to be paid shall be disclosed in the manner required by the Act and the commission shall not exceed the rate of 10% of the price at which the shares in respect whereof the same is paid are issued or an amount equal to 10% of that price (as the case may be). Such commission may be satisfied by the payment of cash or the allotment of fully or partly paid shares or partly in one way and partly in the other. The company may also on any issue of shares pay such brokerage as may be lawful.

7. Except as required by law, no person shall be recognised by the company as holding any share upon any trust, and the company shall not be bound by or be compelled in any way to recognise (even when having notice thereof) any equitable, contingent, future or partial interest in any share or unit of a share or (except only as by these Regulations or by law otherwise provided) any other rights in respect of any share except an absolute right to the entirety thereof in the registered holder.

8. Every person whose name is entered as a member in the register of members shall be entitled without payment to receive a certificate under the seal of the company in accordance with the Act but in respect of a share or shares held jointly by several persons the company shall not be bound to issue more than one certificate, and delivery of a certificate for a share to one of several joint holders shall be sufficient delivery to all such holders.

Lien

9. The company shall have a first and paramount lien on every share (not being a fully paid share) for all money (whether presently payable or not) called or payable at a fixed time in respect of that share, and the company shall also have a first and paramount lien on all shares (other than fully paid shares) registered in the name of a single person for all money presently payable by him or his estate to the company; but the directors may at any time declare any share to be wholly or in part exempt from the provisions of this regulation. The company's lien, if any, on a share shall extend to all dividends payable thereon.

10. The company may sell, in such manner as the directors think fit, any shares on which the company has a lien, but no sale shall be made unless a sum in respect of which the lien exists is presently payable, nor until the expiration of 14 days after a notice in writing, stating and demanding payment of such part of the amount in respect of which the lien exists as is presently payable, has been given to the registered holder for the time being of the share, or the person entitled thereto by reason of his death or bankruptcy.

11. To give effect to any such sale the directors may authorise some person to transfer the shares sold to the purchaser thereof. The purchaser shall be registered as the holder of the shares comprised in any such transfer, and he shall not be bound to see to the application of the purchase money, nor shall his title to the shares be affected by any irregularity or invalidity in the proceedings in reference to the sale.

12. The proceeds of the sale shall be received by the company and applied in payment of such part of the amount in respect of which the lien exists as is presently payable, and the residue, if any, shall (subject to a like lien for sums not presently payable as existed upon the shares before the sale) be paid to the person entitled to the shares at the date of the sale.

Calls on shares

13. The directors may from time to time make calls upon the members in respect of any money unpaid on their shares and not by the conditions of allotment thereof made payable at fixed times, provided that no call shall be payable at less than one month from the date fixed for the payment of the last preceding call, and each member shall (subject to receiving at least 14 days' notice specifying the time or times and place of payment) pay to the company at the time or times and place so specified the amount called on his shares. A call may be revoked or postponed as the directors may determine.

14. A call shall be deemed to have been made at the time when the resolution of the directors authorising the call was passed and may be required to be paid by installment.

15. The joint holders of a share shall be jointly and severally liable to pay all calls in respect thereof.

16. If a sum called in respect of a share is not paid before or on the day appointed for payment thereof, the person from whom the sum is due shall pay interest on the sum from the day appointed for payment thereof to the time of actual payment at such rate not exceeding 8% per annum as the directors may determine, but the directors shall be at liberty to waive payment of that interest wholly or in part.

17. Any sum which by the terms of issue of a share becomes payable on allotment or at any fixed date shall for the purposes of these Regulations be deemed to be a call duly made and payable on the date on which by the terms of issue the same becomes payable, and in case of non-payment all the relevant provisions of these Regulations as to payment of interest and expenses, forfeiture, or otherwise shall apply as if the sum had become payable by virtue of a call duly made and notified.

18. The directors may, on the issue of shares, differentiate between the holders as to the amount of calls to be paid and the times of payment.

19. The directors may, if they think fit, receive from any member willing to advance the same all or any part of the money uncalled and unpaid upon any shares held by him, and upon all or any part of the money so advanced may (until the same would, but for the advance, become payable) pay interest at such rate not exceeding (unless the company in general meeting shall otherwise direct) 8% per annum as may be agreed upon between the directors and the member paying the sum in advance.

Transfer of shares

20. No transfer of shares is to be made except to a person approved by the directors of the company.

20A. Subject to these Regulations, any member may transfer all or any of his shares by instrument in writing in any usual or common form or in any other form which the directors may approve. The instrument shall be executed by or on behalf of the transferor and the transferor shall remain the holder of the shares transferred until the transfer is registered and the name of the transferee is entered in the register of members in respect thereof.

21. The instrument of transfer must be left for registration at the registered office of the company together with such fee, not exceeding $1 as the directors from time to time may require, accompanied by the certificate of the shares to which it relates and such other evidence as the directors may reasonably require to show the right of the transferor to make the transfer, and thereupon the company shall subject to the powers vested in the directors by these Regulations register the transferee as a shareholder and retain the instrument of transfer.

22. The directors may decline to register any transfer of shares, not being fully paid shares to a person of whom they do not approve and may also decline to register any transfer of shares on which the company has a lien.

23. The registration of transfers may be suspended at such times and for such periods as the directors may from time to time determine not exceeding in the whole 30 days in any year.

Transmission of shares

24. In case of the death of a member the survivor or survivors where the deceased was a joint holder, and the legal personal representatives of the deceased where he was a sole holder, shall be the only persons recognised by the company as having any title to his interest in the shares; but nothing herein contained shall release the estate of a deceased joint holder from any liability in respect of any share which had been jointly held by him with other persons.

25. Any person becoming entitled to a share in consequence of the death or bankruptcy of a member may, upon such evidence being produced as may from time to time properly be required by the directors and subject as hereinafter provided, elect either to be registered himself as holder of the share or to have some person nominated by him registered as the transferee thereof, but the directors shall, in either case, have the same right to decline or suspend registration as they would have had in the case of a transfer of the share by that member before his death or bankruptcy.

26. If the person so becoming entitled elects to be registered himself, he shall deliver or send to the company a notice in writing signed by him stating that he so elects. If he elects to have another person registered he shall testify his election by executing to that person a transfer of the share. All the limitations, restrictions, and provisions of these Regulations relating to the right to transfer and the registration of transfers of shares shall be applicable to any such notice or transfer as aforesaid as if the death or bankruptcy of the member had not occurred and the notice or transfer were a transfer signed by that member.

27. Where the registered holder of any share dies or becomes bankrupt his personal representative or the assignee of his estate, as the case may be, shall, upon the production of such evidence as may from time to time be properly required by the directors in that behalf, be entitled to the same dividends and other advantages, and to the same rights (whether in relation to meetings of the company, or to voting, or otherwise), as the registered holder would have been entitled to if he had not died or become bankrupt; and where two or more persons are jointly entitled to any share in consequence of the death of the registered holder they shall, for the purposes of these Regulations, be deemed to be joint holders of the share.

Forfeiture of shares

28. If a member fails to pay any call or installment of a call on the day appointed for payment thereof, the directors may, at any time thereafter during such time as any part of the call or installment remains unpaid serve a notice on him requiring payment of so much of the call or installment as is unpaid, together with any interest which may have accrued.

29. The notice shall name a further day (not earlier than the expiration of 14 days from the date of service of the notice) on or before which the payment required by the notice is to be made, and shall state that in the event of non-payment at or before the time appointed the shares in respect of which the call was made will be liable to be forfeited.

30. If the requirements of any such notice as aforesaid are not complied with, any share in respect of which the notice has been given may at any time thereafter, before the payment required by the notice has been made, be forfeited by a resolution of the directors to that effect. Such forfeiture shall include all dividends declared in respect of the forfeited

shares and not actually paid before the forfeiture.

31. A forfeited share may be sold or otherwise disposed of on such terms and in such manner as the directors think fit, and at any time before a sale or disposition the forfeiture may be cancelled on such terms as the directors think fit.

32. A person whose shares have been forfeited shall cease to be a member in respect of the forfeited shares, but shall, notwithstanding, remain liable to pay to the company all money which, at the date of forfeiture, was payable by him to the company in respect of the shares (together with interest at the rate of 8% per annum from the date of forfeiture on the money for the time being unpaid if the directors think fit to enforce payment of such interest), but his liability shall cease if and when the company receives payment in full of all such money in respect of the shares.

33. A statutory declaration in writing that the declarant is a director or the secretary of the company, and that a share in the company has been duly forfeited on a date stated in the declaration, shall be conclusive evidence of the facts therein stated as against all persons claiming to be entitled to the share.

34. The company may receive the consideration, if any, given for a forfeited share on any sale or disposition thereof and may execute a transfer of the share in favour of the person to whom the share is sold or disposed of and he shall thereupon be registered as the holder of the share, and shall not be bound to see to the application of the purchase money, if any, nor shall his title to the share be affected by any irregularity or invalidity in the proceedings in reference to the forfeiture, sale, or disposal of the share.

35. The provisions of these Regulations as to forfeiture shall apply in the case of non-payment of any sum which, by the terms of issue of a share, becomes payable at a fixed time as if the same had been payable by virtue of a call duly made and notified.

Conversion of shares into stock

36. The company may by ordinary resolution passed at a general meeting convert any paid-up shares into stock and reconvert any stock into paid-up shares.

37. The holders of stock may transfer the same or any part thereof in the same manner and subject to the same regulations as and subject to which the shares from which the stock arose might previously to conversion have been transferred or as near thereto as circumstances admit; but the directors may from time to time fix the minimum amount of stock transferable and restrict or forbid the transfer of fractions of that minimum.

38. The holders of stock shall according to the amount of the stock held by them have the same rights, privileges and advantages as regards dividends voting at meetings of the company and other matters as if they held the shares from which the stock arose, but no such privilege or advantage (except participation in the dividends and profits of the company and in the assets on winding up) shall be conferred by any such aliquot part of stock which would not if existing in shares have conferred that privilege or advantage.

39. Such of the regulations of the company as are applicable to paid-up shares shall apply to stock, and the words share and shareholder therein shall include stock and stockholder.

Alteration of capital

40. The company may from time to time by ordinary resolution do one or more of the following:

(a) increase the share capital by such sum as the resolution shall prescribe;

(b) consolidate and divide all or any of its share capital;

(c) subdivide its shares or any of them, so however that in the subdivision the proportion between the amount paid and the amount, If any, unpaid on each reduced share shall be the same as it was in the case of the share from which the reduced share is derived;

(d) cancel the number of shares which at the date of the passing of the resolution in that behalf have not been taken or agreed to be taken by any person or which have been forfeited and diminish the amount of its share capital by the number of the shares so cancelled.

41. Subject to any direction to the contrary that may be given by the company in general meeting, all new shares shall, before issue, be offered to such persons as at the date of the offer are entitled to receive notices from the company of general meetings in proportion, as nearly as the circumstances admit, to the amount of the existing shares to which they are entitled. The offer shall be made by notice specifying the number of shares offered, and limiting a time within which the offer, if not accepted, will be deemed to be declined, and, after the expiration of that time, or on the receipt of an intimation from the person to whom the offer is made that he declines to accept the shares offered, the directors may dispose of those shares in such manner as they think most beneficial to the company. The directors may likewise so dispose of any new shares which (by reason of the ratio which the new shares bear to shares held by persons entitled to an offer of new shares) cannot, in the opinion of the directors, be conveniently offered under this regulation.

42. The company may by special resolution reduce its share capital in any manner and with, and subject to, any incident authorised, and consent required by law.

General meeting

43. An annual general meeting of the company shall be held in accordance with the provisions of the Act. All general meetings other than the annual general meetings shall be called extraordinary general meetings.

44. Any director may, whenever he thinks fit, convene an extraordinary general meeting, and extraordinary general meetings shall be convened on such requisition or in default may be convened by such requisitionists as provided by the Act.

45. Subject to the provisions of the Act relating to special resolutions and agreements for shorter notice, 14 days' notice at the least (exclusive of the day on which the notice is served or deemed to be served, but inclusive of the day for which notice is given) specifying the place, the day and the hour of meeting and in case of special business the general nature of that business shall be given to such persons as are entitled to receive such notices from the company.

46. All business shall be special that is transacted at an extraordinary general meeting, and also all that is transacted at an annual general meeting, with the exception of declaring a dividend, the consideration of the accounts, balance-sheets, and the report of the directors and auditors, the election of directors in the place of those retiring, and the appointment and fixing of the remuneration of the auditors.

Proceedings at general meetings

47. No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business. Except as herein otherwise provided, two members present in person shall form a quorum, except where the Company has only one member, that sole member shall constitute a quorum for any general meeting. For the purposes of this regulation member includes a person attending as a proxy or as representing a corporation which is a member.

48. If within half an hour from the time appointed for the meeting a quorum is not present, the meeting, if convened upon the requisition of members, shall be dissolved; in any other case it shall stand adjourned to the same day in the next week at the same time and place, or to such other day and at such other time and place as the directors may determine.

49. The chairman, if any, of the board of directors shall preside as chairman at every general meeting of the company, or if there is no such chairman, or if he is not present within 15 minutes after the time appointed for the holding of the meeting or is unwilling to act, the members present shall elect one of their number to be chairman of the meeting.

50. The chairman may, with the consent of any meeting at which a quorum is present, and shall if so directed by the meeting, adjourn the meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. When a meeting is adjourned for 30 days or more, notice of the adjourned meeting shall be given as in the case of an original meeting. Except as aforesaid it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned meeting.

51. At any general meeting a resolution put to the vote of the meeting shall be decided on a show of hands unless a poll is (before or on the declaration of the result of the show of hands) demanded -

(a) by the chairman;

(b) by at least 3 members present in person or by proxy;

(c) by any member or members present in person or by proxy and representing not less than 10% of the total voting rights of all the members having the right to vote at the meeting; or

(d) by a member or members holding shares in the company conferring a right to vote at the meeting being shares on which an aggregate sum has been paid up equal to not less than 10% of the total sum paid up on all the shares conferring that right.

Unless a poll is so demanded a declaration by the chairman that a resolution has on a show of hands been carried or carried unanimously, or by a particular majority, or lost, and an entry to that effect in the book containing the minutes of the proceedings of the company shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against the resolution. The demand for a poll may be withdrawn.

52. If a poll is duly demanded it shall be taken in such manner and either at once or after an interval or adjournment or otherwise as the chairman directs, and the result of the poll shall be the resolution of the meeting at which the poll was demanded, but a poll demanded on the election of a chairman or on a question of adjournment shall be taken forthwith.

53. In the case of an equality of votes, whether on a show of hands or on a poll, the chairman of the meeting at which the show of hands takes place or at which the poll is demanded shall be entitled to a second or casting vote.

54. Subject to any rights or restrictions for the time being attached to any class or classes of shares, at meetings of members or classes of members, each member entitled to vote may vote in person or by proxy or by attorney and on a show of hands every person present who is a member or a representative of a member shall have one vote, and on a poll every member present in person or by proxy or by attorney or other duly authorised representative shall have one vote for each share he holds.

55. In the case of joint holders the vote of the senior who tenders a vote, whether in person or by proxy, shall be accepted to the exclusion of the votes of the other joint holders; and for this purpose seniority shall be determined by the order in which the names stand in the register of members.

56. A member who is mentally disordered or whose person or estate is liable to be dealt with in any way under the law relating to mental disorder may vote, whether on a show of hands or on a poll, by his committee or by such other person as properly has the management of his estate, and any such committee or other person may vote by proxy or attorney.

57. No member shall be entitled to vote at any general meeting unless all calls or other sums presently payable by him in respect of shares in the company have been paid.

58. No objection shall be raised to the qualification of any voter except at the meeting or adjourned meeting at which the vote objected to is given or tendered, and every vote not disallowed at such meeting shall be valid for all purposes. Any such objection made in due time shall be referred to the chairman of the meeting, whose decision shall be final and conclusive.

59. The instrument appointing a proxy shall be in writing, in the common or usual form, under the hand of the appointer or of his attorney duly authorised in writing or, if the appointer is a corporation, either under seal or under the hand of an officer or attorney duly authorised. A proxy may but need not be a member of the company. The instrument appointing a proxy shall be deemed to confer authority to demand or join in demanding a poll.

60. Where it is desired to afford members an opportunity of voting for or against a resolution the instrument appointing a proxy shall be in the following form or a form as near thereto as circumstances admit:

I/We, , of being a member/members of the abovenamed company, hereby appoint , of , or failing him, of , , as my/our proxy to vote for me/us on my/our behalf at the [annual or extraordinary, *as the case may be*] general meeting of the company, to be held on the day of 19 , and at any adjournment thereof.

Signed this day of 19 .

This form is to be used *in favour of the resolution.

against

*Strike out whichever is not desired. [Unless otherwise instructed, the proxy may vote as he thinks fit.]

61. The instrument appointing a proxy and the power of attorney or other authority, if any, under which it is signed or a notarially certified copy of that power or authority shall be deposited at the registered office of the comp any, or at such other place in Singapore as is specified for that purpose in the notice convening the meeting, not less than 48 hours before the time for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or, in the case of a poll, not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid.

62. A vote given in accordance with the terms of an instrument of proxy or attorney shall be valid notwithstanding the previous death or mental disorder of the principal or revocation of the instrument or of the authority under which the instrument was executed, or the transfer of the share in respect of which the instrument is given, if no intimation in writing of such death, mental disorder, revocation, or transfer as aforesaid has been received by the company at the registered office before the commencement of the meeting or adjourned meeting at which the instrument is used.

Directors: Appointment, etc.

63. At the first annual general meeting of the company all the directors shall retire from office, and at the annual general meeting in every subsequent year one-third of the directors for the time being, or, if their number is not 3 or a multiple of 3, then the number nearest one-third, shall retire from office.

64. A retiring director shall be eligible for re-election.

65. The directors to retire in every year shall be those who have been longest in office since their last election, but as between persons who became directors on the same day those to retire shall (unless they otherwise agree among themselves) be determined by lot.

66. The company at the meeting at which a director so retires may fill the vacated office by electing a person thereto, and in default the retiring director shall if offering himself for re-election and not being disqualified under the Act from holding office as a director be deemed to have been re-elected, unless at that meeting it is expressly resolved not to fill the vacated office or unless a resolution for the re-election of that director is put to the meeting and lost.

67. The company may from time to time by ordinary resolution passed at a general meeting increase or reduce the number of directors, and may also determine in what rotation the increased or reduced number is to go out of office.

68. The directors shall have power at any time, and from time to time, to appoint any person to be a director, either to fill a casual vacancy or as an addition to the existing directors, but so that the total number of directors shall not at any time exceed the number fixed in accordance with these Regulations. Any director so appointed shall hold office only until the next following annual general meeting, and shall then be eligible for re-election but shall not be taken into account in determining the directors who are to retire by rotation at that meeting.

69. The company may by ordinary resolution remove any director before the expiration of his period of office, and may by an ordinary resolution appoint another person in his stead; the person so appointed shall be subject to retirement at the same time as if he had become a director on the day on which the director in whose place he is appointed was last elected a director.

70. The remuneration of the directors shall from time to time be determined by the company in general meeting. That remuneration shall be deemed to accrue from day to day. The directors may also be paid all travelling, hotel, and other expenses properly incurred by them in attending and returning from meetings of the directors or any committee of the directors or general meetings of the company or in connection with the business of the company.

71. The shareholding qualification for directors may be fixed by the company in general meeting.

72. The office of director shall become vacant if the director -

(a) ceases to be a director by virtue of the Act;

(b) becomes bankrupt or makes any arrangement or composition with his creditors generally;

(c) becomes prohibited from being a director by reason of any order made under the Act;

(d) becomes disqualified from being a director by virtue of section 148, 149, 154 or 155;

13/87.

(e) becomes mentally disordered and incapable of managing himself or his affairs or a person whose person or estate is liable to be dealt with in any way under the law relating to mental capacity;

(f) subject to section 145, resigns his office by notice in writing to the company;

13/87.

(g) for more than 6 months is absent without permission of the directors from meetings of the directors held during that period;

(h) without the consent of the company in general meeting, holds anyother office of profit under the company except that of managing director or manager; or

(i) is directly or indirectly interested in any contract or proposed contract with the company and fails to declare the nature of his interest in manner required by the Act.

Powers and duties of directors

73. The business of the company shall be managed by the directors who may pay all expenses incurred in promoting and registering the company, and may exercise all such powers of the company as are not, by the Act or by these Regulations, required to be exercised by the company in general meeting, subject, nevertheless, to any of these Regulations, to the provisions of the Act, and to such regulations, being not inconsistent with the aforesaid Regulations or provisions, as may be prescribed by the company in general meeting; but no regulation made by the company in general meeting shall invalidate any prior act of the directors which would have been valid if that regulation had not been made.

74. The directors may exercise all the powers of the company to borrow money and to mortgage or charge its undertaking, property, and uncalled capital, or any part thereof, and to issue debentures and other securities whether outright or as security for any debt, liability, or obligation of the company or of any third party.

75. The directors may exercise all the powers of the company in relation to any official seal for use outside Singapore and in relation to branch registers.

76. The directors may from time to time by power of attorney appoint any corporation, firm, or person or body of persons, whether nominated directly or indirectly by the directors, to be the attorney or attorneys of the company for such purposes and with such powers, authorities, and discretions (not exceeding those vested in or exercisable by the directors under these Regulations) and for such period and subject to such conditions as they may think fit, and any such powers of attorney may contain such provisions for the protection and convenience of persons dealing with any such attorney as the directors may think fit and may also authorise any such attorney to delegate all or any of the powers, authorities, and discretions vested in him.

77. All cheques, promissory notes, drafts, bills of exchange, and other negotiable instruments, and all receipts for money paid to the company, shall be signed, drawn, accepted, endorsed, or otherwise executed, as the case may be, by any two directors or in such other manner as the directors from time to time determine.

78. The directors shall cause minutes to be made -

(a) of all appointments of officers to be engaged in the management of the company's affairs;

(b) of names of directors present at all meetings of the company and of the directors; and

(c) of all proceedings at all meetings of the company and of the directors.

Such minutes shall be signed by the chairman of the meeting at which the proceedings were held or by the chairman of the next succeeding meeting.

Proceedings of directors

79. The directors may meet together for the despatch of business, adjourn and otherwise regulate their meetings as they think fit. A director may at any time and the secretary shall on the requisition of a director summon a meeting of the directors.

80. Subject to these Regulations, questions arising at any meeting of directors shall be decided by a majority of votes and a determination by a majority of directors shall for all purposes be deemed a determination of the directors. In case of an equality of votes the chairman of the meeting shall have a second or casting vote.

81. A director shall not vote in respect of any contract or proposed contract with the company in which he is interested, or any matter arising thereout, and if he does so vote, his vote shall not be counted.

82. Any director with the approval of the directors may appoint any person, whether a member of the company or not, to be an alternate or substitute director in his place during such period as he thinks fit. Any person while he so holds office as an alternate or substitute director shall be entitled to notice of meetings of the directors and to attend and vote thereat accordingly, and to exercise all the powers of the appointor in his place. An alternate or substitute director shall not require any share qualification, and shall ipso facto vacate office if the appointor vacates office as a director or removes the appointee from office. Any appointment or removal under this regulation shall be effected by notice in writing under the hand of the director making the same.

83. The quorum necessary for the transaction of the business of the directors may be fixed by the directors, and unless so fixed shall be two. In the event of a sole directorship, the sole director will form the quorum.

84. The continuing directors may act notwithstanding any vacancy in their body, but if and so long as their number is reduced below the number fixed by or pursuant to the regulations of the company as the necessary quorum of directors, the continuing directors or director may act for the purpose of increasing the number of directors to that number or of summoning a general meeting of the company, but for no other purpose.

85. The directors may elect a chairman of their meetings and determine the period for which he is to hold office; but if no such chairman is elected, or if at any meeting the chairman is not present within 10 minutes after the time appointed for holding the meeting, the directors present may choose one of their number to be chairman of the meeting.

86. The directors may delegate any of their powers to committees consisting of such member or members of their body as they think fit; any committee so formed shall in the exercise of the powers so delegated conform to any regulations that may be imposed on it by the directors.

87. A committee may elect a chairman of its meetings; if no such chairman is elected, or if at any meeting the chairman is not present within 10 minutes after the time appointed for holding the meeting, the members present may choose one of their number to be chairman of the meeting.

88. A committee may meet and adjourn as it thinks proper. Questions arising at any meeting shall be determined by a majority of votes of the members present, and in the case of an equality of votes the chairman shall have a second or casting vote.

89. All acts done by any meeting of the directors or of a committee of directors or by any person acting as a director shall, notwithstanding that it is afterwards discovered that there was some defect in the appointment of any such director or person acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a director.

90. A resolution in writing, signed by a majority of the directors for the time being entitled to receive notice of a meeting of the directors, shall be as valid and effectual as if it had been passed at a meeting of the directors duly convened and held. Any such resolution may consist of several documents in like form, each signed by one or more directors.

90A. Where the company has only one director, he may pass a resolution by recording it and signing the record.

Managing directors

91. The directors may from time to time appoint one or more of their body to the office of managing director for such period and on such terms as they think fit and, subject to the terms of any agreement entered into in any particular case, may revoke any such appointment. A director so appointed shall not, while holding that office, be subject to retirement by rotation or be taken into account in determining the rotation of retirement of directors, but his appointment shall be automatically determined if he ceases from any cause to be a director.

92. A managing director shall, subject to the terms of any agreement entered into in any particular case, receive such remuneration, whether by way of salary, commission, or participation in profits, or partly in one way and partly in another, as the directors may determine.

93. The directors may entrust to and confer upon a managing director any of the powers exercisable by them upon such terms and conditions and with such restrictions as they may think fit, and either collaterally with or to the exclusion of their own powers, and may from time to time revoke, withdraw, alter, or vary all or any of those powers.

94. The directors may from time to time appoint any person to be an associate director and may from time to time cancel any such appointment. The directors may fix, determine and vary the powers, duties and remuneration of any person so appointed, but a person so appointed shall not be required to hold any shares to qualify him for appointment nor have any right to attend or vote at any meeting of directors except by the invitation and with the consent of the directors.

Secretary

95. The secretary shall in accordance with the Act be appointed by the directors for such term, at such remuneration, and upon such conditions as they may think fit; and any secretary so appointed may be removed by them.

Seal

96. The directors shall provide for the safe custody of the seal, which shall only be used by the authority of the directors or of a committee of the directors authorised by the directors in that behalf, and every instrument to which the seal is affixed shall be signed by a director and shall be countersigned by the secretary or by a second director or by some other person appointed by the directors for the purpose.

Accounts

97. The directors shall cause proper accounting and other records to be kept and shall distribute copies of balance-sheets and other documents as required by the Act and shall from time to time determine whether and to what extent and at what times and places and under what conditions or regulations the accounting and other records of the company or any of them shall be open to the inspection of members not being directors, and no member (not being a director) shall have any right of inspecting any account or book or paper of the company except as conferred by statute or authorised by the directors or by the company in general meeting.

Dividends and reserves

98. The company in general meeting may declare dividends, but no dividend shall exceed the amount recommended by the directors.

99. The directors may from time to time pay to the members such interim dividends as appear to the directors to be justified by the profits of the company.

100. No dividend shall be paid otherwise than out of profits or shall bear interest against the company.

101. The directors may, before recommending any dividend, set aside out of the profits of the company such sums as they think proper as reserves which shall, at the discretion of the directors, be applicable for any purpose to which the profits of the company may be properly applied, and pending any such application may, at the like discretion, either be employed in the business of the company or be invested in such investments (other than shares in the company) as the directors may from time to time think fit. The directors may also without placing the same to reserve carry forward any profits which they may think prudent not to divide.

102. Subject to the rights of persons, if any, entitled to shares with special rights as to dividend, all dividends shall be declared and paid according to the amounts paid or credited as paid on the shares in respect of which the dividend is paid, but no amount paid or credited as paid on a share in advance of calls shall be treated for the purposes of this regulation as paid on the share. All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares during any portion or portions of the period in respect of which the dividend is paid; but if any share is issued on terms providing that it shall rank for dividend as from a particular date that share shall rank for dividend accordingly.

103. The directors may deduct from any dividend payable to any member all sums of money, if any, presently payable by him to the company on account of calls or otherwise in relation to the shares of the company.

104. Any general meeting declaring a dividend or bonus may direct payment of such dividend or bonus wholly or partly by the distribution of specific assets and in particular of paid-up shares, debentures or debenture stock of any other company or in any one or more of such ways and the directors shall give effect to such resolution, and where any difficulty arises in regard to such distribution, the directors may settle the same as they think expedient, and fix the value for distribution of such specific assets or any part thereof and may determine that cash payments shall be made to any members upon the footing of the value so fixed in order to adjust the rights of all parties, and may vest any such specific assets in trustees as may seem expedient to the directors.

105. Any dividend, interest, or other money payable in cash in respect of shares may be paid by cheque or warrant sent through the post directed to the registered address of the holder or, in the case of joint holders, to the registered address of that one of the joint holders who is first named on the register of members or to such person and to such address as the holder or joint holders may in writing direct. Every such cheque or warrant shall be made payable to the order of the person to whom it is sent. Any one of two or more joint holders may give effectual receipts for any dividends, bonuses, or other money payable in respect of the shares held by them as joint holders.

Capitalisation of profits

106. The company in general meeting may upon the recommendation of the directors resolve that it is desirable to capitalise any part of the amount for the time being standing to the credit of any of the company's reserve accounts or to the credit of the profit and loss account or otherwise available for distribution, and accordingly that such sum be set free for distribution amongst the members who would have been entitled thereto if distributed by way of dividend and in the same proportions on condition that the same be not paid in cash but be applied either in or towards paying up any amounts for the time being unpaid on any shares held by such members respectively or paying up in full unissued shares or debentures of the company to be allotted, distributed and credited as fully paid up to and amongst such members in the proportion aforesaid, or partly in the one way and partly in the other, and the directors shall give effect to such resolution.

107. Whenever such a resolution as aforesaid shall have been passed the directors shall make all appropriations and applications of the undivided profits resolved to be capitalised thereby, and all allotments and issues of fully paid shares or debentures, if any, and generally shall do all acts and things required to give effect thereto, with full power to the directors to make such provision by the issue of fractional certificates or by payment in cash or otherwise as they think fit for the case of shares or debentures becoming distributable in fractions, and also to authorise any person to enter on behalf of all the members entitled thereto into an agreement with the company providing for the allotment to them respectively, credited as fully paid up, of any further shares or debentures to which they may be entitled upon such capitalisation, or, as the case may require, for the payment up by the company on their behalf, by the application thereto of their respective proportions of the profits resolved to be capitalised, of the amounts or any part of the amounts remaining unpaid on their existing shares, and any agreement made under such authority shall be effective and binding on all such members.

Notices

108. A notice may be given by the company to any member either personally or by sending it by post to him at his registered address, or, if he has no registered address in Singapore, to the address, if any, in Singapore supplied by him to the company for the giving of notices to him. Where a notice is sent by post, service of the notice shall be deemed to be effected by properly addressing, prepaying, and posting a letter containing the notice, and to have been effected in the case of a notice of a meeting on the day after the date of its posting, and in any other case at the time at which the letter would be delivered in the ordinary course of post.

109. A notice may be given by the company to the joint holders of a share by giving the notice to the joint holder first named in the register of members in respect of the share.

110. A notice may be given by the company to the persons entitled to a share in consequence of the death or

bankruptcy of a member by sending it through the post in a prepaid letter addressed to them by name, or by the title of representatives of the deceased, or assignee of the bankrupt, or by any like description, at the address, if any, in Singapore supplied for the purpose by the persons claiming to be so entitled, or, until such an address has been so supplied, by giving the notice in any manner in which the same might have been given if the death or bankruptcy had not occurred.

111. --(1) Notice of every general meeting shall be given in any manner hereinbefore authorised to -

(a) every member;

(b) every person entitled to a share in consequence of the death or bankruptcy of a member who, but for his death or bankruptcy, would be entitled to receive notice of the meeting; and

(c) the auditor for the time being of the company.

(2) No other person shall be entitled to receive notices of general meetings.

Winding up

112. If the company is wound up, the liquidator may, with the sanction of a special resolution of the company, divide amongst the members in kind the whole or any part of the assets of the company, whether they consist of property of the same kind or not, and may for that purpose set such value as he considers fair upon any property to be divided as aforesaid and may determine how the division shall be carried out as between the members or different classes of members. The liquidator may, with the like sanction, vest the whole or any part of any such assets in trustees upon such trusts for the benefit of the contributories as the liquidator, with the like sanction, thinks fit, but so that no member shall be compelled to accept any shares or other securities whereon there is any liability.

Indemnity ********

113. Every director, managing director, agent, auditor, secretary, and other officer for the time being of the company shall be indemnified out of the assets of the company against any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgment is given in his favour or in which he is acquitted or in connection with any application under the Act in which relief is granted to him by the Court in respect of any negligence, default, breach of duty or breach of trust.

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ACCOUNTING AND CORPORATE REGULATORY AUTHORITY
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INFORMATION RESOURCES

Business Profile (Company) of AVAKAHYASI INVESTMENTS PTE. LTD. (201316402K)

Date: 02/03/2016

The Following Are The Brief Particulars of :

Registration No.	:	201316402K
Company Name.	:	AVAKAHYASI INVESTMENTS PTE. LTD.
Former Name if any	:	
Incorporation Date.	:	18/06/2013
Company Type	:	PRIVATE COMPANY LIMITED BY SHARES
Status	:	Live Company
Status Date	:	18/06/2013

Principal Activities

Activities (I)	:	OTHER INVESTMENT HOLDING COMPANIES (64202)
Description	:	
Activities (II)	:	ACTIVITIES OF HEAD AND REGIONAL HEAD OFFICES (70101)
Description	:	

Capital

Issued Share Capital * (AMOUNT)	Number of Shares	Currency	Share Type
1.00	1	UNITED STATES OF AMERICA, DOLLARS	ORDINARY

* Number of Shares includes number of Treasury Shares

Paid-Up Capital (AMOUNT)	Number of Shares	Currency	Share Type
1.00		UNITED STATES OF AMERICA, DOLLARS	ORDINARY

COMPANY HAS THE FOLLOWING ORDINARY SHARES HELD AS TREASURY SHARES

Number Of Shares	Currency

Registered Office Address : 29 STANLEY STREET
#02-01
SINGAPORE (068738)

Business Profile (Company) of AVAKAHYASI INVESTMENTS PTE. LTD. (201316402K) **Date: 02/03/2016**

Date of Address	01/02/2014
Date of Last AGM	30/09/2015
Date of Last AR	21/10/2015
Date of A/C Laid at Last AGM	31/03/2015
Date of Lodgment of AR, A/C	21/10/2015

Audit Firms

NAME
LCC PARTNERSHIP

Charges

Charge No.	Date Registered	Currency	Amount Secured	Chargee(s)

Officers/Authorised Representative(s)

Name / Address	ID	Nationality / Position Held	Source of Address	Date of Appointment
LIM LI CHIA (LIN LIJIA)	S8606182A	SINGAPORE CITIZEN	ACRA	18/06/2013
620 BEDOK RESERVOIR ROAD #11-1430 SINGAPORE (470620)		Director		
AMIR SHAHRAN	511343973	BRITISH	ACRA	01/03/2016
FLAT J, 50 CLEVELAND SQUARE LONDON W2 6DB		Director		
KOH JOO HUA	S1523871B	SINGAPORE CITIZEN	ACRA	18/06/2013
200 JALAN SULTAN #08-02 TEXTILE CENTRE SINGAPORE (199018)		Secretary		

Shareholder(s)

	Name / Address	ID	Nationality/Place of incorporation/Origin	Source of Address	Address Changed
1	CATHAY PETROLEUM INTERNATIONAL LIMITED	T14UF1340K	HONG KONG	ACRA	

INFORMATION RESOURCES

Business Profile (Company) of AVAKAHYASI INVESTMENTS PTE. LTD. (201316402K) **Date: 02/03/2016**

Shareholder(s)

Name / Address	ID	Nationality/Place of incorporation/Origin	Source of Address	Address Changed
UNIT 903, 9/F., CHINA MERCHANTS TOWER, 168 - 200 CONNAUGHT ROAD CENTRAL, HONG KONG				

Ordinary(Number)	Currency
1	UNITED STATES OF AMERICA, DOLLARS

Abbreviation

UL - Local Entity not registered with ACRA

UF - Foreign Entity not registered with ACRA

AR - Annual Return

AGM - Annual General Meeting

A/C - Accounts

OSCARS - One Stop Change of Address Reporting Service by Immigration & Checkpoint Authority.

PLEASE NOTE THAT INFORMATION HEREIN CONTAINED IS EXTRACTED FROM FORMS/TRANSACTIONS FILED WITH THE AUTHORITY

FOR REGISTRAR OF COMPANIES AND BUSINESS NAMES
SINGAPORE

RECEIPT NO. : ACRA160302103700

DATE : 02/03/2016

This is computer generated. Hence no signature required.

Guiding Star Group
5A, 83 Dhammazedi Road
Sanchaung Township
Yangon, Myanmar
+95173080745, 095058916, 095150178
kthidao@gmail.com

Guiding Star Group. GSG Myanmar

သို့

ညွှန်ကြားရေးမှူးချုပ်
ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန
အမျိုးသားစီမံကိန်းနှင့်စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန
ရန်ကုန်တိုင်းဒေသကြီး။

ရက်စွဲ ။ ၂၀၁၅ ခုနှစ် ၊ စက်တင်ဘာလ (၂၉) ရက် ။

အကြောင်းအရာ ။ ။ <u>ပုံစံ (၂၆) နှင့်အစုရှယ်ယာလွှဲပြောင်းခြင်းပုံစံပေးပို့ခြင်း ။</u>

ကျွန်တော်များ၏ ကုမ္ပဏီမှ ကျင်းပပြုလုပ်သည့် ဒါရိုက်တာအဖွဲ့အစည်းအဝေးဆုံးဖြတ်ချက်များအရ ပုံစံ (၂၆) နှင့် အစုရှယ်ယာလွှဲပြောင်းခြင်းပုံစံကို သတ်မှတ်ပုံစံများတွင် ဖြည့်စွက်လျက် ကုမ္ပဏီများမှတ်ပုံတင်ရုံးသို့ တင်ပြမှတ်ပုံတင်ရန် ပေးပို့ပါသည်။

ကျသင့်သည့် မှတ်ပုံတင်ကြေးများကိုလည်း ပေးသွင်းပြီးဖြစ်ပါသည်။

လေးစားစွာဖြင့်

Dr. Kaung Myat Lynn
Managing Director
Guiding Star Group.

ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန၊ ရန်ကုန်မြို့

ငွေလက်ခံ/ရရှိပြေစာ

(၁၈) ၄၅. ၅. ၄၅ ရက်စွဲ၊ ၂၆ - ၉ - ၂၀၁၅

၁။ ကုမ္ပဏီ အမည် (အမည်)၊

(အင်္ဂလိပ်)၊ Guiding Star Group. Ltd.

၂။ ငွေပေးသွင်းသည့် အကြောင်းအရာ၊ ပုံစံ (၂၆) နှင့် အစုရှယ်ယာလွှဲပြောင်းခြင်း + ၅

၃။ ပေးသွင်းသည့်ငွေ (ဂဏန်းဖြင့်)၊ ၁၅၀၀၀/-

(စာဖြင့်)၊ ကျပ်တစ်သောင်းငါးထောင်တိတိ/-

ငွေပေးသွင်းသူလက်မှတ် ငွေလက်ခံသူလက်မှတ်

အမည်၊ ဘုန်းကျော် အမည် ရှုမာ

ငွေလက်ခံရရှိပြီး

Guiding Star Group
5A, 83 Dhammazedi Road
Sanchaung Township
Yangon, Myanmar
+95173080745, 095058916, 095150178
kthidao@gmail.com

Guiding Star Group. ★ Myanmar ★

ဒါရိုက်တာအဖွဲ့အစည်းအဝေးမှတ်တမ်း

ကျင်းပသည့်နေ့ - ၂၈. ၉. ၂၀၁၅
ကျင်းပသည့်အချိန် - နံနက် (၁၀း၀၀) နာရီ
ကျင်းပသည့်နေရာ - ကုမ္ပဏီရုံးခန်း

အစည်းအဝေးတက်ရောက်သူများ

၁။ ဦးကောင်းမြတ်လင်း အုပ်ချုပ်မှုဒါရိုက်တာ
၂။ ဦးထူးထူးအောင် ဒါရိုက်တာ
၃။ ဒေါ်လင်းသန္တာဝင်း ဒါရိုက်တာ
၄။ ဒေါ်နှင်းသီတာလင်း ဒါရိုက်တာ
၅။ ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး ဒါရိုက်တာမှနုတ်ထွက်သူ
၆။ ဦးဇော်မင်းဒင် ဒါရိုက်တာမှနုတ်ထွက်သူ

အစည်းအဝေးဆုံးဖြတ်ချက်များ

၁။ အစည်းအဝေးတွင် ကျပ် ၁၀,၀၀၀/- တန် အစုရှယ်ယာများကို အောက်ပါအတိုင်း အသီးသီးလွှဲပြောင်းရောင်းချကြရန် အများသဘောတူ အတည်ပြု ဆုံးဖြတ်ကြပါသည်။

စဉ်	ရှယ်ယာရောင်းချသူ	ရှယ်ယာလက်ခံသူ	ရှယ်ယာအရေအတွက်
၁။	ဦးကောင်းမြတ်လင်း	ဒေါ်လင်းသန္တာဝင်း	၅၀
၂။	ဒေါ်ခင်မွန်(ခ)ဒေါ်ခင်သီတာဦး	ဒေါ်လင်းသန္တာဝင်း	၁၃၀
၃။	ဒေါ်ခင်မွန်(ခ)ဒေါ်ခင်သီတာဦး	ဦးထူးထူးအောင်	၁၂၀
၄။	ဦးဇော်မင်းဒင်	ဦးထူးထူးအောင်	၇၀
၅။	ဦးဇော်မင်းဒင်	ဒေါ်နှင်းသီတာလင်း	၁၈၀

၂။ အစည်းအဝေးတွင် ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး နှင့် ဦးဇော်မင်းဒင် တို့မှ ဒါရိုက်တာများအဖြစ်မှ နုတ်ထွက်ခွင့်ပြုရန် တင်ပြခြင်းကို အများသဘောတူ အတည်ပြု ဆုံးဖြတ်ကြပါသည်။

၃။ အစည်းအဝေးတွင် ဦးထူးထူးအောင်၊ ဒေါ်လင်းသန္တာဝင်း ၊ ဒေါ်နှင်းသီတာလင်း တို့အား ဒါရိုက်တာများအဖြစ်အသီးသီး တာဝန်ခွဲဝေခန့်အပ်ရန်အများသဘောတူအတည်ပြုဆုံးဖြတ်ကြပါသည်။

၄။ အစည်းအဝေးမှ ဘဏ်စာရင်းဖွင့်လှစ်ရန်နှင့် ဘဏ်လုပ်ငန်းကိစ္စအဝဝကို အုပ်ချုပ်မှုဒါရိုက်တာ (သို့) ဒါရိုက်တာတစ်ဦးဦးမှ တာဝန်ယူဆောင်ရွက်သွားရန် အများသဘောတူ အတည်ပြု ဆုံးဖြတ်ကြပါသည်။

၅။ အစည်းအဝေးမှ ဆုံးဖြတ်ချက်များကို ကုမ္ပဏီများမှတ်ပုံတင်ရုံးသို့ တင်ပြမှတ်ပုံတင်ရန် အများသဘောတူ ဆုံးဖြတ်ကြပြီး ၊ အစည်းအဝေးကို နံနက် (၁၂း၀၀) နာရီတွင် အောင်မြင်စွာ ရုပ်သိမ်းလိုက်ကြပါသည်။

(မှတ်တမ်းတင်သူ)

Dr. Kaung Myat Lynn
Managing Director
Guiding Star Group.



Transfer of Shares

GUIDING STAR GROUP LIMITED

I **U Kaung Myat Lynn (7/DaOuNa (Naing) 097811)**

of **No. (5), Shwe Sabei Lane , Aung Theikdi Road, (3) Ward , Mayangone Township , YANGON.**

in consideration of the sum of **Ks. 500,000/-**

paid to me by **Daw Lin Thanda Win (7/DaOuNa (Naing) 097812)** of

No. (5), Shwe Sabei Lane , Aung Theikdi Road, (3) Ward , Mayangone Township , YANGON. do

hereby transfer to the said transferee the **50** shares

number **U Kaung Myat Lynn** to **Daw Lin Thanda Win**

standing in my name in the Books of the abovenamed Company to hold unto the said transferee, his Executors, Administrations, and Assigns, subject to the several conditions on which I held the same at the time execution there of and I the said transferee do hereby agree to take the said shares subject to the same conditions.

As witness our hands the **28th** day **September** ,20 **2015**

Witness **U Htu Htu Aung**
7/DaOuNa (Naing) 096558

Designation **Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferor **U Kaung Myat Lynn**
7/DaOuNa (Naing) 097811

Designation **Managing Director**

Address **No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.**

Witness **Daw Hnin Thida Lin**
7/DaOuNa (Naing) 097813

Designation **Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferee **Daw Lin Thanda Win**
7/DaOuNa (Naing) 097812

Designation **Director**

Address **No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.**

1500

Transfer of Shares

GUIDING STAR GROUP LIMITED

I **Daw Khin Mon (a) Daw Khin Thida Oo (12/LaMaTa (Naing) 030083)**
of **No. (5), Wingabar Street , Bo Cho (1) Ward , Bahan Township , YANGON.**
in consideration of the sum of **Ks. 1,300,000/-**
paid to me by **Daw Lin Thanda Win (7/DaOuNa (Naing) 097812)** of
No. (5), Shwe Sabei Lane , Aung Theikdi Road, (3) Ward , Mayangone Township , YANGON. do hereby transfer to the said transferee the **130** shares number **Daw Khin Mon (a) Daw Khin Thida Oo** to **Daw Lin Thanda Win** standing in my name in the Books of the abovenamed Company to hold unto the said transferee, his Executors, Administrations, and Assigns, subject to the several conditions on which I held the same at the time execution there of and I the said transferee do hereby agree to take the said shares subject to the same conditions.

As witness our hands the **28th** day **September** ,20 **2015**

Witness **U Kaung Myat Lynn**
7/DaOuNa (Naing) 097811

Designation **Managing Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferor **Daw Khin Mon (a) Daw Khin Thida Oo**
12/LaMaTa (Naing) 030083

Designation -

Address **No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.**

Witness **Daw Hnin Thida Lin**
7/DaOuNa (Naing) 097813

Designation **Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferee **Lin Thanda Win**
7/DaOuNa (Naing) 097812

Designation **Director**

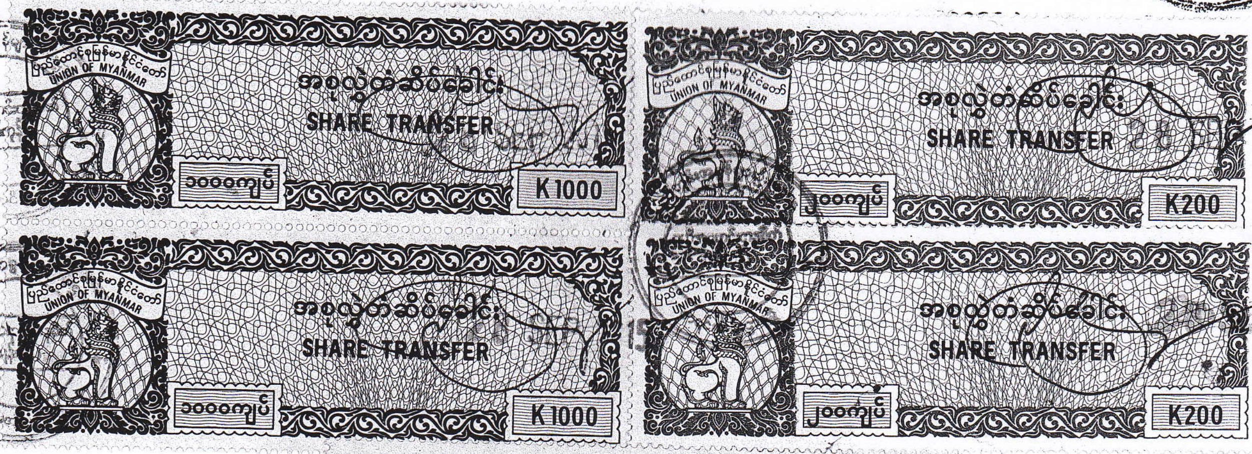
Address **No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.**

3900 /.

3900/-

Transfer of Shares

GUIDING STAR GROUP LIMITED





As witness our 2015

Witness
U Kaung Myat Lynn
7/DaOuNa (Naing) 097811

Designation
Managing Director

Address
No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferor **Daw Khin Mon**
(a) Daw Khin Thida Oo
12/LaMaTa (Naing) 030083

Designation
-

Address
No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.

Witness
Daw Hnin Thida Lin
7/DaOuNa (Naing) 097813

Designation
Director

Address
No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferee **Lin Thanda Win**
7/DaOuNa (Naing) 097812

Designation
Director

Address
No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward Mayangone Township, Yangon.

UNION OF MYANMAR SHARE TRANSFER K1000

Transfer of Shares

GUIDING STAR GROUP LIMITED

I Daw Khin Mon (a) Daw Khin Thida Oo (12/LaMaTa (Naing) 030083)

of No. (5), Wingabar Street, Bo Cho (1) Ward, Bahan Township, YANGON.

in consideration of the sum of Ks. 1,200,000/-

paid to me by U Htu Htu Aung (7/DaOuNa (Naing) 096558) of

No. (5), Shwe Sabei Lane, Aung Theikdi Road, (3)Ward, Mayangone Township, YANGON. do

hereby transfer to the said transferee the 120 shares

number Daw Khin Mon (a) Daw Khin Thida Oo to U Htu Htu Aung

standing in my name in the Books of the abovenamed Company to hold unto the said transferee, his Executors, Administrations, and Assigns, subject to the several conditions on which I held the same at the time execution there of and I the said transferee do hereby agree to take the said shares subject to the same conditions.

As witness our hands the 28th day September ,20 2015

Witness U Kaung Myat Lynn
7/DaOuNa (Naing) 097811

Designation Managing Director

Address No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.

Transferor Daw Khin Mon (a) Daw Khin Thida Oo
12/LaMaTa (Naing) 030083

Designation -

Address No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.

Witness Daw Lin Thanda Win
7/DaOuNa (Naing) 097812

Designation Director

Address No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.

Transferee U Htu Htu Aung
7/DaOuNa (Naing) 096558

Designation Director

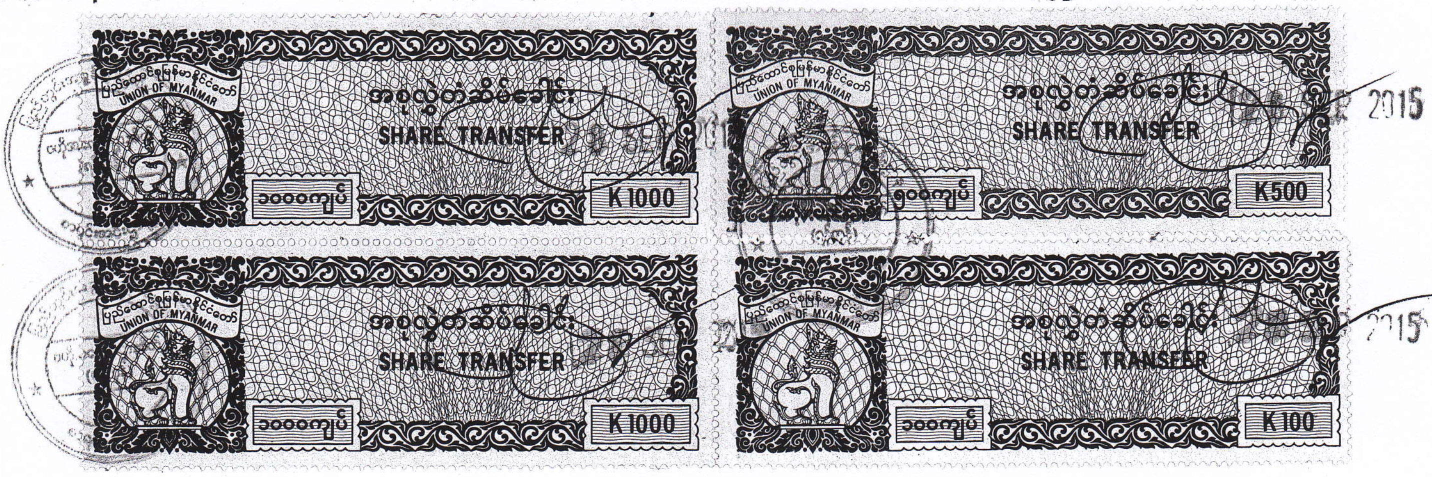
Address No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.

3600 /-

3,600/-

Transfer of Shares

GUIDING STAR GROUP LIMITED



As witness our hands the 28th day September ,20 2015

Witness U Kaung Myat Lynn
7/DaOuNa (Naing) 097811

Designation Managing Director

Address No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferor Daw Khin Mon
(a) Daw Khin Thida Oo
12/LaMaTa (Naing) 030083

Designation -

Address No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.

Witness Daw Lin Thanda Win
7/DaOuNa (Naing) 097812

Designation Director

Address No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferee U Htu Htu Aung
7/DaOuNa (Naing) 096558

Designation Director

Address No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.

SHARE TRANSFER K1000

Transfer of Shares

GUIDING STAR GROUP LIMITED

I **U Zaw Minn Din (12/BaHaNa (Naing) 089435)**

of **No. (5), Wingabar Street, Bo Cho (1) Ward, Bahan Township, YANGON.**

in consideration of the sum of **Ks. 700,000/-**

paid to me by **U Htu Htu Aung (7/DaOuNa (Naing) 096558)** of

No. (5), Shwe Sabei Lane, Aung Theikdi Road, (3)Ward, Mayangone Township, YANGON. do

hereby transfer to the said transferee the **70** shares

number **U Zaw Minn Din** to **U Htu Htu Aung**

standing in my name in the Books of the abovenamed Company to hold unto the said transferee, his Executors, Administrations, and Assigns, subject to the several conditions on which I held the same at the time execution there of and I the said transferee do hereby agree to take the said shares subject to the same conditions.

As witness our hands the **28th** day **September**, 20 **2015**

Witness **U Kaung Myat Lynn**
7/DaOuNa (Naing) 097811

Designation **Managing Director**

Address **No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.**

Transferor **U Zaw Minn Din**
12/BaHaNa (Naing) 089435

Designation -

Address **No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.**

Witness **Daw Lin Thanda Win**
7/DaOuNa (Naing) 097812

Designation **Director**

Address **No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.**

Transferee **U Htu Htu Aung**
7/DaOuNa (Naing) 096558

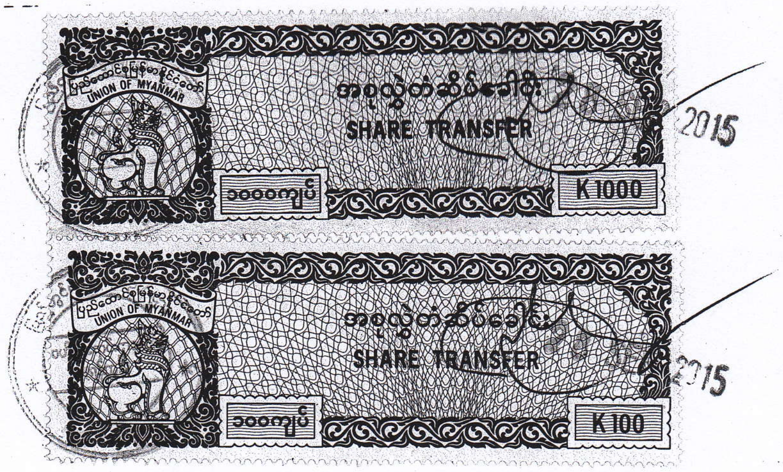
Designation **Director**

Address **No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.**

2100/-

Transfer of Shares

GUIDING STAR GROUP LIMITED



hereby agree to take the said shares subject to the same conditions.

As witness our hands the **28th** day **September**, 20 **2015**

Witness **U Kaung Myat Lynn**
7/DaOuNa (Naing) 097811

Designation **Managing Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferor **U Zaw Minn Din**
12/BaHaNa (Naing) 089435

Designation **-**

Address **No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.**

Witness **Daw Lin Thanda Win**
7/DaOuNa (Naing) 097812

Designation **Director**

Address **No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.**

Transferee **U Htu Htu Aung**
7/DaOuNa (Naing) 096558

Designation **Director**

Address **No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.**

SHARE TRANSFER K5000

Transfer of Shares

GUIDING STAR GROUP LIMITED

I U Zaw Minn Din (12/BaHaNa (Naing) 089435)

of No. (5), Wingabar Street, Bo Cho (1) Ward, Bahan Township, YANGON.

in consideration of the sum of Ks. 1,800,000/-

paid to me by Daw Hnin Thida Lin (7/DaOuNa (Naing) 097813) of

No. (5), Shwe Sabei Lane, Aung Theikdi Road, (3)Ward, Mayangone Township, YANGON. do

hereby transfer to the said transferee the 180 shares

number U Zaw Minn Din to Daw Hnin Thida Lin

standing in my name in the Books of the abovenamed Company to hold unto the said transferee, his Executors, Administrations, and Assigns, subject to the several conditions on which I held the same at the time execution there of and I the said transferee do hereby agree to take the said shares subject to the same conditions.

As witness our hands the 28th day September, 20 2015

Witness U Kaung Myat Lynn
7/DaOuNa (Naing) 097811

Designation Managing Director

Address No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.

Transferor U Zaw Minn Din
12/BaHaNa (Naing) 089435

Designation -

Address No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.

Witness Daw Lin Thanda Win
7/DaOuNa (Naing) 097812

Designation Director

Address No.(5),Shwe Sabai Lane, Aung Theikdi Road, (3) Ward, Mayangone Township, Yangon.

Transferee Daw Hnin Thida Lin
7/DaOuNa (Naing) 097813

Designation Director

Address No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.

54001.

5400/-

Transfer of Shares

GUIDING STAR GROUP LIMITED



As witness our hands the 28th day September , 20 2015

Witness U Kaung Myat Lynn
7/DaOuNa (Naing) 097811

Designation Managing Director

Address No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferor U Zaw Minn Din
12/BaHaNa (Naing) 089435

Designation -

Address No.(5),Wingabar Street, Bo Cho (1) Ward,Bahan Township, Yangon.

Witness Daw Lin Thanda Win
7/DaOuNa (Naing) 097812

Designation Director

Address No.(5),Shwe Sabai Lane , Aung Theikdi Road , (3) Ward , Mayangone Township, Yangon.

Transferee Daw Hnin Thida Lin
7/DaOuNa (Naing) 097813

Designation Director

Address No.(5),Shwe Sabai Lane,Aung Theikdi Road,(3)Ward, Mayangone Township, Yangon.

သို့

အုပ်ချုပ်မှုဒါရိုက်တာ
လမ်းညွန်ကြယ်အုပ်စု ကုမ္ပဏီလီမိတက်
ရန်ကုန်မြို့ ။

ရက်စွဲ ။ ၂၀၁၅ ခုနှစ် ၊ စက်တင်ဘာလ (   ) ရက်။

အကြောင်းအရာ ။ ။ **အစုရှယ်ယာရှင်/ဒါရိုက်တာအဖြစ်မှ နှုတ်ထွက်ခွင့်ပြုပါရန်လျှောက်ထားခြင်း။**

ကျွန်မ ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး သည် လူကြီးမင်းကုမ္ပဏီတွင် ဒါရိုက်တာအဖြစ် ဆောင်ရွက်ခဲ့ရာမှ ယခုအခါ ကျွန်မ၏ ကိုယ်ရေးကိုယ်တာနှင့် စီးပွားရေးလုပ်ငန်းများကြောင့် ဆက်လက်တာဝန်ထမ်းဆောင်နိုင်ခြင်း မရှိပါသဖြင့် ကျွန်မအား နှုတ်ထွက်ခွင့်ပြုပါရန် တင်ပြအပ်ပါသည်။

ကျွန်မပိုင် အစုရှယ်ယာများထဲမှ အစုရှယ်ယာ (၁၃၀) စုကို ဒေါ်လင်းသန္တာဝင်း အားလည်းကောင်း၊ ကျန် အစုရှယ်ယာ (၁၂၀) စုကို ဦးထူးထူးအောင် သို့လည်းကောင်း အသီးသီး လွှဲပြောင်းရောင်းချလိုက်ပါသည်။

ကျွန်မအနေဖြင့် ကုမ္ပဏီနှင့် ပေးရန်/ရရန် စာရင်းများအားလုံး ရှင်းလင်းပြီးဖြစ်သဖြင့် မည်သည့် ပေးရန်/ရရန် စာရင်းမှ မရှိတော့ကြောင်းကိုလည်း ဝန်ခံဂတိပြုအပ်ပါသည်။

လေးစားစွာဖြင့်

ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး
၁၂/လမတ (နိုင်) ၀၃၀၀၈၃

သို့

အုပ်ချုပ်မှုဒါရိုက်တာ
လမ်းညွှန်ကြယ်အုပ်စု ကုမ္ပဏီလီမိတက်
ရန်ကုန်မြို့ ။

ရက်စွဲ ။ ၂၀၁၅ ခုနှစ် ၊ စက်တင်ဘာလ (   ) ရက်။

အကြောင်းအရာ ။ ။ **အစုရှယ်ယာရှင်/ဒါရိုက်တာအဖြစ်မှ နှုတ်ထွက်ခွင့်ပြုပါရန်လျှောက်ထားခြင်း။**

ကျွန်တော် ဦးဇော်မင်းဒင် သည် လူကြီးမင်းကုမ္ပဏီတွင် ဒါရိုက်တာအဖြစ် ဆောင်ရွက်ခဲ့ရာမှ ယခုအခါ ကျွန်တော်၏ ကိုယ်ရေးကိုယ်တာနှင့် စီးပွားရေးလုပ်ငန်းများကြောင့် ဆက်လက်တာဝန်ထမ်းဆောင်နိုင်ခြင်း မရှိပါသဖြင့် ကျွန်တော့်အား နှုတ်ထွက်ခွင့်ပြုပါရန် တင်ပြအပ်ပါသည်။

ကျွန်တော်ပိုင် အစုရှယ်ယာများထဲမှ အစုရှယ်ယာ (၁၈၀) စုကို ဒေါ်နှင်းသီတာလင်း အားလည်းကောင်း၊ ကျန် အစုရှယ်ယာ (၇၀) စုကို ဦးထူးထူးအောင် သို့လည်းကောင်း အသီးသီး လွှဲပြောင်းရောင်းချလိုက်ပါသည်။

ကျွန်တော်အနေဖြင့် ကုမ္ပဏီနှင့် ပေးရန်/ရရန် စာရင်းများအားလုံး ရှင်းလင်းပြီးဖြစ်သဖြင့် မည်သည့် ပေးရန်/ရရန် စာရင်းမှ မရှိတော့ကြောင်းကိုလည်း ဝန်ခံဂတိပြုအပ်ပါသည်။

လေးစားစွာဖြင့်

ဦးဇော်မင်းဒင်
၁၂/ဗဟန (နိုင်) ၀၈၉၄၃၅



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
အလုပ်သမား၊ အလုပ်အကိုင်နှင့်လူမှုဖူလုံရေးဝန်ကြီးဌာန
အလုပ်သမားညွှန်ကြားရေးဦးစီးဌာန
ပြည်တွင်းအလုပ်အကိုင်ရှာဖွေရေးအကျိုးဆောင်မှတ်ပုံတင်

မှတ်ပုံတင်အမှတ်- ၄၃ /၂၀၁၅ ၂၀၁၅ ခုနှစ်၊မတ်လ ၂၄ ရက်

၂၀၁၃ ခုနှစ်၊ အလုပ်အကိုင်နှင့်ကျွမ်းကျင်မှု ဖွံ့ဖြိုးတိုးတက်ရေးဥပဒေနှင့် ၁၉၅၉ ခုနှစ်၊ အလုပ်ခန့်ထားမှုကန့်သတ်ရေးအက်ဥပဒေတို့အရ ပြည်တွင်းအလုပ်အကိုင်ရှာဖွေရေးအကျိုးဆောင်မှတ်ပုံတင် ထုတ်ပေးသည်။

၁။	မှတ်ပုံတင် ပိုင်ဆိုင်သူ၏အမည်	း	ဦးကောင်းမြတ်လင်း
၂။	ကုမ္ပဏီအမည်နှင့်လိပ်စာအပြည့်အစုံ	း	Guiding Star Group Limited အမှတ် (၅/အေ-၈၃) ၊ ဓမ္မစေတီလမ်း၊ စမ်းချောင်းမြို့နယ်၊ ရန်ကုန်မြို့။
၃။	ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်အမှတ်/ ထုတ်ပေးရက်စွဲ - (အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာနမှ ထုတ်ပေးသော ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်)	း	၁၅၅၅/၂၀၁၀ -၂၀၁၁
၄။	အမျိုးသားမှတ်ပုံတင် (သို့) နိုင်ငံသားစိစစ်ရေးကတ်ပြားအမှတ်	း	၇/ဒဥန(နိုင်)၀၉၇၈၁၁
၅။	မွေးနေ့သက္ကရာဇ် (အသက်)	း	၁၁-၁-၁၉၈၁
၆။	ပညာအရည်အချင်း	း	M.B.B.S
၇။	အဘအမည်	း	ဦးလင်းမြင့်
၈။	အမြဲတမ်းနေရပ်လိပ်စာ	း	အမှတ်(၅)၊ ရွှေစံပယ်လမ်း၊ (၃)ရပ်ကွက်၊ မရမ်းကုန်းမြို့နယ်၊ ရန်ကုန်မြို့။
၉။	လိုင်စင်သက်တမ်းကာလ	း	(၁)နှစ်
၁၀။	လိုင်စင်ထုတ်ပေးသည့်ရက်စွဲ	း	၅ -၁၁ -၂၀၁၄
၁၁။	လိုင်စင်သက်တမ်း ကုန်ဆုံးသည့်ရက်စွဲ	း	၄ -၁၁ -၂၀၁၅

မျိုးအောင်
ညွှန်ကြားရေးမှူးချုပ်

သက်တမ်းတိုး

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန

00106856

ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်

အမှတ် ......၁၅၅၅../ ၂၀၁၀-၂၀၁၁

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေအရ ......လမ်းညွှန်ကြယ် အုပ်စု .... လီမိတက်......

....အား ပေးရန်တာဝန် ကန့်သတ်ထားသော လီမိတက်

ကုမ္ပဏီအဖြစ် ၂၀၁၀ နှစ်၊ နိုဝင်ဘာ ......လ၊ ......၁၆ ရက်နေ့တွင် မှတ်ပုံတင်ထားခြင်းအား

၂၀၁၂ နှစ်၊ ဒီဇင်ဘာ.....လ၊ ..၂၈ ရက်နေ့မှစ၍ သက်တမ်းတိုး ခွင့်ပြုလိုက်သည်။

ဝန်ဆောင်မှု
SERVICES

ညွှန်ကြားရေးမှူးချုပ်(ကိုယ်စား)

(နန်းရီရီသန်း၊ ညွှန်ကြားရေးမှူး)

ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန

THE GOVERNMENT OF THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF NATIONAL PLANNING AND ECONOMIC DEVELOPMENT

CERTIFICATE OF INCORPORATION

NO. ....1555............ of 2010-2011

I hereby certify that the tenure of ......GUIDING STAR GROUP LIMITED......

....incorporated under the

Myanmar Companies Act on ......16th NOVEMBER, 2010......

is renewed with effected from ......28th DECEMBER, 2012......

ပြည်ဝင်သို့ အလုပ်အကိုင်အတွက် လုပ်ငန်းလုပ်ကိုင်ခွင့်ရရှိထားသော ဝန်ကြီးဌာနတွင် ပြည်ဝင်အလုပ်အကိုင် အကျိုးဆောင်လိုင်စင်ရရှိပြီး ဆောင်ရွက်ရမည်။

For Director General
(Nang Yi Yi Than, Director)
Directorate of Investment and Company Administration

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေ

အစုရှယ်ယာများဖြင့် ပေးရန်တာဝန် ကန့်သတ်ထားသော အများနှင့် မသက်ဆိုင်သည့်ကုမ္ပဏီ

လမ်းညွှန်ကြယ် အုပ်စု လီမိတက်

၏

သင်းဖွဲ့မှတ်တမ်း

နှင့်

သင်းဖွဲ့စည်းမျဉ်းများ

❖ ❖ ❖ ❖

THE MYANMAR COMPANIES ACT

PRIVATE COMPANY LIMITED BY SHARES

Memorandum Of Association

AND

Articles Of Association

OF

GUIDING STAR GROUP LIMITED

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေ

အစုရှယ်ယာများဖြင့် ပေးရန်တာဝန် ကန့်သတ်ထားသော အများနှင့် မသက်ဆိုင်သည့် ကုမ္ပဏီ

လမ်းညွှန် ကြယ် အုပ်စု လီမိတက်

၏

သင်းဖွဲ့မှတ်တမ်း

❖ ❖ ❖ ❖ ❖ ❖ ❖

၁။ ကုမ္ပဏီ၏ အမည်သည် " **လမ်းညွှန် ကြယ် အုပ်စု လီမိတက်** " ဖြစ်ပါသည်။

၂။ ကုမ္ပဏီ၏ မှတ်ပုံတင် အလုပ်တိုက်သည် ပြည်ထောင်စု မြန်မာနိုင်ငံတော်အတွင်း တည်ရှိရမည်။

၃။ ကုမ္ပဏီ တည်ထောင်ရခြင်း၏ ရည်ရွယ်ချက်များမှာ တစ်ဖက်စာမျက်နှာပါအတိုင်း ဖြစ်ပါသည်။

၄။ အစုဝင်များ၏ ပေးရန်တာဝန်ကို ကန့်သတ်ထားသည်။

၅။ ကုမ္ပဏီ၏ သတ်မှတ်မတည်ငွေရင်းသည် ကျပ် ၁၀၀,၀၀၀,၀၀၀ /- (ကျပ် **သန်းတစ်ရာ** တိတိ) ဖြစ်၍ ငွေကျပ်၁၀,၀၀၀/- (ကျပ် **တစ်သောင်း** တိတိ) တန် အစုရှယ်ယာပေါင်း (၁၀,၀၀၀) ခွဲထားပါသည်။ ကုမ္ပဏီ၏ ရင်းနှီးငွေကို ကုမ္ပဏီ၏ စည်းမျဉ်းများနှင့် လက်ရှိတရားဝင် တည်ဆဲဖြစ်နေသော တရားဥပဒေအထွေထွေ ပြဋ္ဌာန်းချက်များ နှင့် အညီ အထွေထွေ သင်းလုံးကျွတ် အစည်းအဝေး၌ တိုးမြှင့်နိုင်ခွင့်၊ လျှော့ချနိုင်ခွင့် နှင့် ပြင်ဆင်နိုင်ခွင့်အာဏာ ရှိစေရမည်။

အောက်ပါဝန်ဆောင်မှုလုပ်ငန်းများကို မိမိတစ်ဦးတည်းဖြစ်စေ၊ မည်သည့်ပြည်တွင်း ပြည်ပပုဂ္ဂိုလ်များနှင့် ဖက်စပ်၍ဖြစ်စေ လုပ်ကိုင်ဆောင်ရွက်ရန်။

(ဃ) အေဂျင်စီလုပ်ငန်းအမျိုးမျိုး၊ ကျွမ်းကျင်မှုအတိုင်ပင်ခံများ၊ လုပ်ငန်းအတိုင်ပင်ခံများ၊ အုပ်ချုပ်မှုအတိုင်ပင်ခံများနှင့် အကြံပေး ဝန်ဆောင်မှုလုပ်ငန်းများ၊

~~(င) ကြော်ငြာနှင့် ကြော်ငြာကိုယ်စားလှယ်လုပ်ငန်း၊~~

~~(စ) ဖျော်ဖြေရေးလုပ်ငန်းနှင့် ယင်းနှင့်ပတ်သက်သည့် လုပ်ငန်းများ၊~~

~~(ဆ) အသေးဝန်ဆောင်မှုလုပ်ငန်းအမျိုးမျိုး၊~~

(ဇ) သယ်ယူပို့ဆောင်ရေးလုပ်ငန်း (မီးရထားနှင့် လေကြောင်းမှအပ)

~~(ဈ) ပုံနှိပ်ထုတ်ဝေခြင်းလုပ်ငန်း၊~~

~~(ည) တိုင်းတာရေးနှင့် စစ်ဆေးရေးလုပ်ငန်း၊~~

(ဋ) စီမံကိန်းသစ်များ၌ ဖြစ်မြောက်နိုင်စွမ်း ရှိ-မရှိ လေ့လာခြင်း၊ စီမံကိန်းပုံစံများ ချမှတ်ခြင်း၊ စီမံကိန်းကုန်ကျစရိတ် ခန့်မှန်းခြင်း နှင့် တန်ဖိုးတွက်ချက်ခြင်းလုပ်ငန်းများ၊

~~(ဌ) စာရင်းရေးသွင်းခြင်း၊ စာရင်းစစ်ဆေးခြင်းနှင့် ဥပဒေအကြံပေးဝန်ဆောင်မှုလုပ်ငန်းများ၊~~

(ဍ) ယာဉ်နှင့် စက်ကိရိယာအမျိုးမျိုး ကြံခိုင်ရေးပြုလုပ်ခြင်း၊ မွမ်းမံခြင်းနှင့် ပြင်ဆင်ခြင်းလုပ်ငန်းများ၊

~~(ဎ) လျှပ်စစ်နှင့် အီလက်ထရောနစ်ကုန်ပစ္စည်းများ တပ်ဆင်ခြင်း၊ ပြုပြင်ခြင်းနှင့် မွမ်းမံတည်ဆောက်ခြင်းလုပ်ငန်းများ။~~

ကုမ္ပဏီမှ သင့်လျော်လျောက်ပတ်သည်ဟု ယူဆပါက ကုမ္ပဏီ၏စီးပွားရေးလုပ်ငန်းတွင် အကျိုးရှိစေရန်အတွက် မည်သည့်ပုဂ္ဂိုလ်၊ စီးပွားရေးအဖွဲ့အစည်း၊ ကုမ္ပဏီ၊ ဘဏ်၊ သို့မဟုတ်၊ ငွေကြေးအဖွဲ့အစည်းထံမှမဆို ငွေချေးယူရန်။

၆။ ကုမ္ပဏီသည် အထက်ဖော်ပြပါ ရည်ရွယ်ချက်များကို ပြည်ထောင်စုမြန်မာနိုင်ငံတော်အတွင်း၌ဖြစ်စေ အခြားမည်သည့် အရပ်ဒေသ၌ဖြစ်စေ၊ အချိန်ကာလအလိုက် တည်မြဲနေသော တရားဥပဒေများ၊ အမိန့်ကြော်ငြာစာများ၊ အမိန့်များက ခွင့်ပြုထားသည့် လုပ်ငန်းများအမှအပ အခြားလုပ်ငန်းများကို လုပ်ကိုင်ဆောင်ရွက်ခြင်းမပြုပါ။ ထို့အပြင် ပြည်ထောင်စု မြန်မာနိုင်ငံတော်အတွင်း၌ အချိန်ကာလအားလျော်စွာ တည်မြဲနေသည့် တရားဥပဒေပြဋ္ဌာန်းချက်များ၊ အမိန့်ကြော်ငြာစာများ၊ အမိန့်များနှင့် လျော်ညီသင့်တော်ခြင်း သို့မဟုတ်၊ ခွင့်ပြုထားရှိခြင်းရှိမှသာလျှင် လုပ်ငန်းများကို ဆောင်ရွက်မည်ဟု ဖွင့်ချက်ထားရှိပါသည်။

အောက်တွင် အမည်၊ နိုင်ငံသား၊ နေရပ်နှင့် အကြောင်းအရာစုံလင်စွာပါသော ဇယားတွင် လက်မှတ်ရေးထိုးသူ ကျွန်ုပ်တို့ ကိုယ်စီကိုယ်ငှသည် ဤသင်းဖွဲ့မှတ်တမ်းအရ ကုမ္ပဏီတစ်ခုဖွဲ့စည်းရန် လိုလားသည့်အလျောက် ကျွန်ုပ်တို့၏ အမည်တသီးသီးနှင့် ယှဉ်တွဲ၍ပြထားသော အစုရှယ်ယာများကို ကုမ္ပဏီ၏ မတည်ရင်းနှီးငွေတွင် ထည့်ဝင်ရယူကြရန် သဘောတူကြပါသည်။

စဉ်	အစုထည့်ဝင်သူများ၏ အမည်၊ နေရပ်လိပ်စာနှင့် အလုပ်အကိုင်	နိုင်ငံသားနှင့် အမျိုးသား မှတ်ပုံတင်အမှတ်	ဝယ်ယူသော အစုရှယ်ယာ ဦးရေ	ထိုးမြဲလက်မှတ်
၁။	ဦးကောင်းမြတ်လင်း အမှတ် (၅)၊ ရွှေစံပယ်လမ်း၊ မရမ်းကုန်းမြို့နယ်၊ ရန်ကုန်မြို့ ။ (ကုန်သည်)	မြန်မာ ၇/ဒဥန (နိုင်) ၀၉၇၈၁၁	၂၅၀	(signature)
၂။	ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး အမှတ် (၁၁၀)၊ လှည်းတန်းလမ်း၊ လမ်းမတော်မြို့နယ်၊ ရန်ကုန်မြို့ ။ (ကုန်သည်)	မြန်မာ ၁၂/လမတ (နိုင်) ၀၃၀၀၈၃	၂၅၀	(signature)

မြို့။ နေ့စွဲ၊ ၂၀၁၀ -ခုနှစ်၊ အောက်တိုဘာ လ၊ ၂၇ ရက်။

အထက်ပါလက်မှတ်ရှင်များသည် ကျွန်ုပ်၏ရှေ့မှောက်တွင် လက်မှတ်ရေးထိုးကြပါသည်။

(signature)

DAW CHO CHO MYINT
B-COM (Q) C.P.A
CERTIFIED PUBLIC ACCOUNTANT
Dip-In Business Law

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေ

အစုရှယ်ယာများဖြင့် ပေးရန်တာဝန် ကန့်သတ်ထားသော အများနှင့်မသက်ဆိုင်သည့် ကုမ္ပဏီ

လမ်းညွှန်ကြယ် အုပ်စု လီမိတက်

၏

သင်းဖွဲ့စည်းမျဉ်းများ

❖ ❖ ❖ ❖ ❖ ❖ ❖

၁။ ဤသင်းဖွဲ့စည်းမျဉ်းနှင့် လိုက်လျောညီထွေမဖြစ်သည့် စည်းမျဉ်းများမှအပ၊ မြန်မာနိုင်ငံ ကုမ္ပဏီများအက်ဥပဒေ နောက်ဆက်တွဲ ပထမဇယားပုံစံ 'က' ပါ စည်းမျဉ်းများသည် ဤကုမ္ပဏီနှင့် သက်ဆိုင်စေရမည်။ မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေပုဒ်မ ၁၇(၂)တွင် ဖော်ပြပါရှိသည့် မလိုက်နာ မနေရ စည်းမျဉ်းများသည် ဤကုမ္ပဏီနှင့် အစဉ်သဖြင့် သက်ဆိုင်စေရမည်။

အများနှင့် မသက်ဆိုင်သော ကုမ္ပဏီ

၂။ ဤကုမ္ပဏီသည်အများနှင့်မသက်ဆိုင်သည့် ကုမ္ပဏီဖြစ်၍အောက်ပါသတ်မှတ်ချက်များသည် အကျိုးသက်ရောက်စေရမည်။

(က) ဤကုမ္ပဏီက ခန့်အပ်ထားသော ဝန်ထမ်းများမှအပ၊ ဤကုမ္ပဏီ၏အစုရှင်အရေအတွက်ကိုငါးဆယ် အထိသာကန့်သတ်ထားသည်။

(ခ) ဤကုမ္ပဏီ၏ အစုရှယ်ယာ သို့မဟုတ် ဒိဘင်ချာ သို့မဟုတ် ဒိဘင်ချာစတော့(ခ်) တစ်ခုခုအတွက်ငွေထည့် ဝင်ရန်အများပြည်သူတို့အား ကမ်းလှမ်းခြင်းမပြုလုပ်ရန် တားမြစ်ထားသည်။

မ,တည် ရင်းနှီးငွေနှင့် အစုရှယ်ယာ

၃။ ကုမ္ပဏီ၏ သတ်မှတ် မ,တည်ငွေရင်းမှာ ကျပ် ၁၀၀,၀၀၀,၀၀၀ /-(ကျပ်
သန်းတစ်ရာ တိတိ) ဖြစ်၍ ငွေကျပ် ၁၀,၀၀၀ /-(ကျပ်
တစ်သောင်း တိတိ) တန် အစုရှယ်ယာပေါင်း (၁၀,၀၀၀) ခွဲထားပါသည်။
ကုမ္ပဏီ၏ ရင်းနှီးငွေကို ကုမ္ပဏီ၏ စည်းမျဉ်းများ နှင့် လက်ရှိတရားဝင် တည်ဆဲဖြစ်နေသောတရားဥပဒေ ပြဋ္ဌာန်းချက်များနှင့်အညီ အထွေထွေသင်းလုံးကျွတ် အစည်းအဝေး၌ တိုးမြှင့်နိုင်ခွင့်၊ လျှော့ချနိုင်ခွင့်နှင့်ပြင်ဆင် နိုင်ခွင့် အာဏာရှိစေရမည်။

၄။ မြန်မာနိုင်ငံကုမ္ပဏီများ အက်ဥပဒေပါ ပြဋ္ဌာန်းချက်များကို မထိခိုက်စေလျက် အစုရှယ်ယာများသည်ဒါရိုက်တာ များ၏ ကြီးကြပ်ကွပ်ကဲမှု အောက်တွင် ရှိစေရမည်။ ၎င်းဒါရိုက်တာများသည် သင့်လျော်သော ပုဂ္ဂိုလ်များအား သတ်မှတ်ချက် အခြေအနေ တစ်စုံတစ်ရာဖြင့် အစုရှယ်ယာများကို ခွဲဝေချထားခြင်း သို့မဟုတ် ထုခွဲရောင်း ချခြင်းတို့ကို ဆောင်ရွက်နိုင်သည်။

၅။ အစုရှယ်ယာလက်မှတ်များကို အထွေထွေမန်နေဂျာ သို့မဟုတ် ဒါရိုက်တာအဖွဲ့က သတ်မှတ်သည့် အခြားပုဂ္ဂိုလ်များကလက်မှတ်ရေးထိုး၍ ကုမ္ပဏီ၏တံဆိပ်ရိုက်နှိပ်ထုတ်ပေးရမည်။ အစုရှယ်ယာလက်မှတ်သည် ပုံပန်းပျက်ခြင်း၊ ပျောက်ဆုံးခြင်းသို့မဟုတ်ပျက်စီးခြင်းဖြစ်ပါက အဖိုးအခဖြင့် ပြန်လည်အသစ်ပြုလုပ်ပေးမှုကို သော်လည်းကောင်း၊ ဒါရိုက်တာများက သင့်လျော်သည်ဟုယူဆသော အခြားသက်သေခံ အထောက်အထား တစ်စုံတစ်ရာကို တင်ပြစေ၍သော်လည်းကောင်း ထုတ်ပေးနိုင်သည်။ ကွယ်လွန်သွားသော အစုရှယ်ယာရှင်တစ်ဦး၏ တရားဝင်ကိုယ်စားလှယ်ကို ဒါရိုက်တာများက အသိအမှတ် ပြုပေးရမည်ဖြစ်သည်။

၆။ ဒါရိုက်တာများသည် အစုရှင်များက ၎င်းတို့၏ အစုရှယ်ယာများအတွက် မပေးသွင်းရသေးသောငွေများကိုအခါအားလျော်စွာ တောင်းဆိုနိုင်သည်။ အစုရှင်တိုင်းကလည်း ၎င်းတို့ထံတောင်းဆိုသည့် အကြိမ်တိုင်း အတွက် ဒါရိုက်တာများကသတ်မှတ်သည့် ပုဂ္ဂိုလ်များထံ သတ်မှတ်သည့်အချိန်နှင့် နေရာတွင် ပေးသွင်းစေရန် တာဝန်ရှိစေရမည်။ ဆင့်ခေါ်မှုတစ်ခုအတွက်အရစ်ကျပေးသွင်းစေခြင်း၊သို့မဟုတ် ပယ်ဖျက်ခြင်း သို့မဟုတ် ရွှေ့ဆိုင်းခြင်းတို့ကို ဒါရိုက်တာများက သတ်မှတ်နိုင်သည်။

ဒါရိုက်တာများ

၇။ သင်းလုံးကျွတ် အစည်းအဝေးက တစ်စုံတစ်ရာ သတ်မှတ်ပြဋ္ဌာန်းမှု မပြုလုပ်သမျှ ဒါရိုက်တာများ၏ အရေအတွက်သည် (၂)ဦး ထက်မနည်း၊ (၁၀)ဦးထက်မများစေရ။
ပထမဒါရိုက်တာများသည် -
(၁) ဦးကောင်းမြတ်လင်း
(၂) ဒေါ်ခင်မွန် (ခ) ဒေါ်ခင်သီတာဦး
(၃)
(၄)
(၅) တို့ဖြစ်ကြပါသည်။

၈။ ဒါရိုက်တာများသည် ၎င်းတို့အနက်မှ တစ်ဦးကို မန်နေဂျင်းဒါရိုက်တာအဖြစ် အချိန်အခါအလိုက် သင့်လျော်သောသတ်မှတ်ချက်များ၊ဥဏ်ပူဇော်ခများဖြင့်ခန့်ထားရမည်ဖြစ်ပြီးအခါအားလျော်စွာ ဒါရိုက်တာအဖွဲ့က ပေးအပ်သော အာဏာများအားလုံးကို ၎င်းက အသုံးပြုနိုင်သည်။

၉။ ဒါရိုက်တာတစ်ဦးဖြစ်မြောက်ရန်လိုအပ်သော အရည်အချင်းသည် ကုမ္ပဏီ၏အစုရှယ်ယာအနည်းဆုံး ( )စုကို ပိုင်ဆိုင်ခြင်းဖြစ်၍ ၎င်းသည် မြန်မာနိုင်ငံ ကုမ္ပဏီများအက်ဥပဒေပုဒ်မ ၈၅ ပါ ပြဋ္ဌာန်းချက်များကို လိုက်နာရန် တာဝန်ရှိသည်။

၁၀။ အစုရှယ်ယာများ လွှဲပြောင်းရန် တင်ပြချက်ကို မည်သည့် အကြောင်းပြချက်မျှ မပေးဘဲ ဒါရိုက်တာအဖွဲ့သည် ၎င်းတို့၏ပြည့်စုံ၍ ချုပ်ချယ်ခြင်းကင်းသော ဆင်ခြင်တွက်ဆမှုဖြင့် မှတ်ပုံတင်ရန် ငြင်းဆိုနိုင်သည်။

ဒါရိုက်တာများ၏ ဆောင်ရွက်ချက်များ

၁၁။ ဒါရိုက်တာများသည် ၎င်းတို့သင့်လျော်သည် ထင်မြင်သည့်အတိုင်း လုပ်ငန်းဆောင်ရွက်ရန် တွေ့ဆုံဆွေးနွေးခြင်း၊ အစည်းအဝေးရွှေ့ဆိုင်းခြင်း၊ အချိန်မှန်စည်းဝေးခြင်း၊ အစည်းအဝေးအထမြောက်ရန် အနည်းဆုံးဒါရိုက်တာဦးရေ သတ်မှတ်ခြင်းတို့ကို ဆောင်ရွက်နိုင်သည်။ ယင်းသို့ မသတ်မှတ်ပါက ဒါရိုက်တာနှစ်ဦး တက်ရောက်လျှင် အစည်းအဝေးထမြောက်ရမည်။ အစည်းအဝေးတွင်မည်သည့်ပြဿနာမဆိုပေါ်ပေါက်ပါက မန်နေဂျင်းဒါရိုက်တာ၏အဆုံးအဖြတ်သည် အတည်ဖြစ်ရမည်။ မည်သည့် ကိစ္စများကိုမဆို မဲခွဲဆုံးဖြတ်ရာတွင် မဲအရေအတွက်တူနေပါက သဘာပတိသည် ဒုတိယမဲ သို့မဟုတ် အနိုင်မဲကို ပေးနိုင်သည်။

၁၂။ ဒါရိုက်တာများ၏ အစည်းအဝေးကို မည်သည့်ဒါရိုက်တာကမဆို အချိန်မရွေး ခေါ်နိုင်သည်။

၁၃။ဒါရိုက်တာအားလုံးက လက်မှတ်ရေးထိုးထားသော ရေးသားထားသည့် ဆုံးဖြတ်ချက်တစ်ရပ်သည် နည်းလမ်းတကျ ခေါ်ယူကျင်းပသော အစည်းအဝေးက အတည်ပြုသည့် ဆုံးဖြတ်ချက်ကဲ့သို့ပင် ကိစ္စအားလုံး အတွက်အကျိုးသက်ရောက်စေရမည်။

ဒါရိုက်တာများ၏ လုပ်ပိုင်ခွင့်နှင့်တာဝန်များ

၁၄။မြန်မာနိုင်ငံ ကုမ္ပဏီများအက်ဥပဒေ နောက်ဆက်တွဲဇယားပုံစံ(က)ပါ စည်းမျဉ်းအပိုဒ် ၇၁ တွင် ပေးအပ်ထားသော အထွေထွေအာဏာများကိုမထိခိုက်စေဘဲဒါရိုက်တာများသည်အောက်ဖော်ပြပါ အာဏာများရှိရမည်ဟု အတိအလင်း ထုတ်ဖော်ကြေညာသည်။ အာဏာဆိုသည်မှာ-

(၁) ဒါရိုက်တာများက သင့်လျော်သည်ဟုယူဆသော တန်ဖိုးနှင့်စည်းကမ်းများ၊ အခြေအနေများ သတ်မှတ်၍ ကုမ္ပဏီကရယူရန် အာဏာရှိသည့်မည်သည့်ပစ္စည်း၊ အခွင့်အရေးများ၊ အခွင့်အလမ်းများကို မဆိုဝယ်ယူရန် သို့မဟုတ် အခြားနည်းလမ်းများဖြင့် ရယူပိုင်ဆိုင်ရန်အပြင် ကုမ္ပဏီကပိုင်ဆိုင်ခွင့်ရှိသော မည်သည့်ပစ္စည်း အခွင့်အရေးများ၊ အခွင့်အလမ်းများကိုမဆို သင့်တော်သောစည်းကမ်းချက်များ သတ်မှတ်၍ရောင်းချခြင်း၊ အငှားချခြင်း၊ စွန့်လွှတ်ခြင်း၊ သို့မဟုတ် အခြားနည်းလမ်းများဖြင့် ဆောင်ရွက်ခြင်းတို့ကို ပြုလုပ်ရန်။

(၂) သင့်လျော်သော စည်းကမ်းသတ်မှတ်ချက်များဖြင့် ငွေကြေးများကို ချေးငှားရန် သို့မဟုတ်အဆိုပါ ချေးငှားသောငွေကြေးများကို ပြန်လည်ပေးဆပ်ရန်အတွက် အာမခံများထားရှိရန်အပြင်၊ အထူးသဖြင့် ဤကုမ္ပဏီ၏ ဒီဘင်ချာများ၊ ဒီဘင်ချာစတော့(ခ်)များ၊ ခေါ်ယူခြင်းမပြုရသေးသော ရင်းနှီးငွေများအပါ အဝင်ယခုလက်ရှိနှင့် နောင်ရှိမည့်ပစ္စည်းများအားလုံး သို့မဟုတ် တစ်စိတ်တဒေသကို အပေါင်ပြု၍ ထုတ်ဝေရန်။

(၃) ဤကုမ္ပဏီက ရယူထားသော အခွင့်အရေးများ သို့မဟုတ် ဝန်ဆောင်မှုများအတွက် အားလုံး သို့မဟုတ် တစ်စိတ်တဒေသကို ငွေကြေးအားဖြင့် ပေးချေရန်၊ သို့မဟုတ် အစုရှယ်ယာများ၊ ငွေချေးစာချုပ်များ၊ ဒီဘင်ချာများ သို့မဟုတ် ဤကုမ္ပဏီ၏အခြားသော အာမခံ စာချုပ်များကို ထုတ်ပေးရန်၊ ထို့အပြင် အဆိုပါအစုရှယ်ယာများ ထုတ်ပေးရာ၌ ငွေအပြည့်ပေးသွင်းပြီးသော အစုရှယ်ယာအနေဖြင့် သော်လည်းကောင်း၊ တစ်စိတ်တဒေသ ပေးသွင်းပြီးသော အစုရှယ်ယာများအနေဖြင့် သော်လည်းကောင်း၊ သဘောတူညီသကဲ့သို့ ထုတ်ဝေပေးရန်နှင့် အဆိုပါ ငွေချေးစာချုပ်များ၊ ဒီဘင်ချာများ သို့မဟုတ် ကုမ္ပဏီ၏အခြားသော အာမခံစာချုပ်များဖြင့် ထုတ်ဝေပေးရာ၌ခေါ်ဆိုခြင်း မပြုရသေးသော ရင်းနှီးငွေများအပါအဝင် ဤကုမ္ပဏီ၏ ပစ္စည်းအားလုံးသို့မဟုတ် တစ်စိတ်တစ်ဒေသကို အပေါင်ပြု၍ ဖြစ်စေ၊ ထိုကဲ့သို့ မဟုတ်ဘဲဖြစ်စေ ထုတ်ပေးရန်။

(၄) ဤကုမ္ပဏီနှင့်ပြုလုပ်ထားသော ကန်ထရိုက်စာချုပ်များ၊ တာဝန်ယူထားသည့်လုပ်ငန်းများ ပြီးစီးအောင် ဆောင်ရွက်စေခြင်းအလို့ငှာ ခေါ်ယူခြင်းမပြုရသေးသော ရင်းနှီးငွေများအပါအဝင် ဤကုမ္ပဏီ၏ ပစ္စည်းရပ်များအားလုံး သို့မဟုတ် တစ်စိတ်တစ်ဒေသကို ပေါင်နှံ၍သော်လည်းကောင်း၊ အပေါင်ပြု၍သော်လည်းကောင်း သို့မဟုတ် အစုရှယ်ယာများအတွက် ငွေများတောင်းခံခေါ်ယူ၍ သော်လည်းကောင်း၊ ခွင့်ပြုရန် သို့မဟုတ် သင့်လျော်သည့်အတိုင်း ဆောင်ရွက်ရန်။

(၅) မန်နေဂျာများ၊ အတွင်းရေးမှူးများ၊ အရာရှိများ၊ စာရေးများ၊ ကိုယ်စားလှယ်များနှင့်ဝန်ထမ်းများကို အမြဲတမ်းယာယီ သို့မဟုတ် အထူးကိစ္စရပ်များအတွက် ခန့်ထားခြင်း၊ ရပ်စဲခြင်း၊ ဆိုင်းငံ့ခြင်းများအတွက် လည်းကောင်း၊ အဆိုပါ ပုဂ္ဂိုလ်တို့၏တာဝန်များ၊ အာဏာများ၊ လစာငွေများ၊ အခြားငွေကြေးများကို သတ်မှတ်ရာ၌ လည်းကောင်း၊ အာမခံပစ္စည်းများ တောင်းခံရာ၌ လည်းကောင်း သင့်လျော်သလို ဆောင်ရွက်ရန်၊ ထို့အပြင် အဆိုပါကိစ္စများအတွက် ကုမ္ပဏီ၏ မည်သည့်အရာရှိကိုမဆို ကိစ္စရပ်အားလုံးကိုဖြစ်စေ၊ တစ်စိတ်တစ်ဒေသကိုဖြစ်စေ ဒါရိုက်တာများ၏ ကိုယ်စားဆောင်ရွက် နိုင်ရေးအတွက် တာဝန်လွှဲအပ်ရန်။

(၆) ဤကုမ္ပဏီ၏ ဒါရိုက်တာတစ်ဦးအား ဒါရိုက်တာရာထူးနှင့် တွဲဖက်၍မန်နေဂျင်းဒါရိုက်တာ၊ အထွေထွေ မန်နေဂျာ၊ အတွင်းရေးမှူး သို့မဟုတ် ဌာနခွဲမန်နေဂျာအဖြစ်ခန့်ထားရန်။

(၇) မည်သည့် အစုရှင်ထံမှမဆို ၎င်းတို့၏ အစုရှယ်ယာများအားလုံးကိုဖြစ်စေ၊ အချို့အဝက်ကိုဖြစ်စေ စွန့်လွှတ်ခြင်းအား သဘောတူညီသော စည်းကမ်းချက်များဖြင့် လက်ခံရန်။

(၈) ဤကုမ္ပဏီက ပိုင်ဆိုင်သော သို့မဟုတ် ပိုင်ဆိုင်ခွင့်ရှိသော သို့မဟုတ် အခြားအကြောင်းများကြောင့်ဖြစ်သော မည်သည့်ပစ္စည်းကိုမဆို ကုမ္ပဏီ၏ ကိုယ်စားလက်ခံထိန်းသိမ်းထားရန်အတွက် မည်သည့်ပုဂ္ဂိုလ် သို့မဟုတ် ပုဂ္ဂိုလ်များကိုမဆိုခန့်ထားရန်နှင့် အဆိုပါယုံမှတ် အပ်နှံခြင်းများနှင့် ပတ်သက်၍လိုအပ်သော စာချုပ်စာတမ်းများ ချုပ်ဆို ပြုလုပ်ရန်။

(၉) ဤကုမ္ပဏီ၏ အရေးအရာများနှင့်စပ်လျဉ်း၍ ဤကုမ္ပဏီကပြုလုပ်သော သို့မဟုတ် ဤကုမ္ပဏီအပေါ် သို့မဟုတ် ဤကုမ္ပဏီ၏ အရာရှိများအပေါ် ပြုလုပ်သော တရားဥပဒေအရ စွဲဆို ဆောင်ရွက်မှုများကို တရားစွဲဆို၊ အရေးယူ၊ ခုခံကာကွယ်ရန် သို့မဟုတ် ခွင့်လွှတ်ရန်၊ ထို့အပြင် ဤကုမ္ပဏီက ရရန်ရှိသော ကြွေးမြီများနှင့် ဤကုမ္ပဏီ အပေါ် တောင်းခံသော ကြွေးမြီများနှင့် ပတ်သက်၍ ပေးဆပ်ရန် အချိန်ကာလ ရွှေ့ဆိုင်းခွင့်ပြုခြင်း သို့မဟုတ် နှစ်ဦးနှစ်ဖက်သဘောတူ ကျေအေးခြင်းများ ပြုလုပ်ရန်။

(၁၀) ဤကုမ္ပဏီက ပေးရန်ရှိသော သို့မဟုတ်ရရန်ရှိသော ငွေတောင်းခံခြင်းများကို ဖြန်ဖြေရေး ခုံသမာဓိထံသို့ ဖြေရှင်းရန်အတွက်အပ်နှံရန်အပြင်ဖြန်ဖြေရေး ခုံသမာဓိ၏ဆုံးဖြတ်ချက်အတိုင်းလိုက်နာဆောင်ရွက်ရန်။

(၁၁) ဤကုမ္ပဏီကရရန်ရှိသောတောင်းဆိုချက်၊ တောင်းခံချက်များနှင့် ကုမ္ပဏီသို့ပေးရန်ရှိသော ငွေကြေး များအတွက် ပြေစာများ ပြုလုပ် ထုတ်ပေးခြင်း၊ လျှော်ပစ်ခြင်းနှင့် အခြားသောနည်းဖြင့် စွန့်လွှတ်ခြင်းများကို ပြုလုပ်ရန်။

(၁၂) လူမွဲစာရင်းခံရခြင်း၊ ကြွေးမြီမဆပ်နိုင်ခြင်း ကိစ္စများနှင့် ပတ်သက်၍ကုမ္ပဏီ၏ကိုယ်စားဆောင်ရွက်ရန်။

(၁၃) ငွေလွှဲစာတမ်းများ၊ ချက်လက်မှတ်များ၊ ဝန်ခံကတိစာချုပ်များ၊ ထပ်ဆင့်လက်မှတ်ရေးထိုးခြင်းများ၊လျှော်ပစ်ခြင်းများ၊ ကန်ထရိုက်စာချုပ်များနှင့် စာရွက်စာတမ်းများကို ကုမ္ပဏီ၏ကိုယ်စား မည်သူက လက်မှတ်ရေးထိုးခွင့်ရှိသည်ကို စိစစ်သတ်မှတ်ရန်။

(၁၄) ဒါရိုက်တာများက သင့်လျော်သည်ဟုယူဆပါက သင့်လျော်လျောက်ပတ်သော နည်းလမ်းများဖြင့်လတ်တလော အသုံးပြုရန် မလိုသေးသော ကုမ္ပဏီပိုင်ငွေများကို အာမခံ ပစ္စည်းပါသည်ဖြစ်စေ၊ မပါသည်ဖြစ်စေရင်းနှီးမြှုပ်နှံထားရန်နှင့် စီမံခန့်ခွဲထားရန်၊ ထို့အပြင် အချိန်ကာလအားလျော်စွာ မြှုပ်နှံထားသောငွေကို ပြန်လည်ရယူရန်နှင့် ပြင်ဆင်ပြောင်းလွှဲရန်။

(၁၅) ဤကုမ္ပဏီ၏ အကျိုးအတွက် ငွေကြေးစိုက်ထုတ် ကုန်ကျခံထားသော ဒါရိုက်တာသို့မဟုတ် အခြားပုဂ္ဂိုလ်များက ကုမ္ပဏီ၏ (လက်ရှိနှင့် နောင်တွင်ရှိမည့်) ပစ္စည်းများကို ဤကုမ္ပဏီ၏ အမည်ဖြင့်ဖြစ်စေ၊ ဤကုမ္ပဏီ၏ ကိုယ်စားဖြစ်စေ ပေါင်နှံခြင်းကို သင့်လျော်သည်ဟုယူဆပါက ဆောင်ရွက်ခွင့်ပြုရန် အဆိုပါပေါင်နှံခြင်းဆိုရာ၌ ရောင်းချနိုင်သည့် အာဏာနှင့်အခြားသော သဘောတူညီထားသည့် တရားဝင်သဘော တူညီချက်များနှင့် ဥပဒေပါပြဋ္ဌာန်းချက်များပါ ပါဝင်သည်။

(၁၆) ဤကုမ္ပဏီကခန့်အပ်ထားသော မည်သည့်အရာရှိသို့မဟုတ် ပုဂ္ဂိုလ်ကိုမဆို အတိအကျ ဆောင်ရွက်ခဲ့သည့် လုပ်ငန်း သို့မဟုတ် ဆောင်ရွက်မှုတစ်ခုအတွက် ရရှိသောအမြတ်ငွေမှ ကော်မရှင်ပေးခြင်း သို့မဟုတ် ကုမ္ပဏီ၏ အထွေထွေ အမြတ်အစွန်းမှ ခွဲဝေပေးခြင်းများပြုလုပ်ရန်နှင့် အဆိုပါကော်မရှင်များ၊ အမြတ် များခွဲဝေပေးခြင်း စသည်တို့ကို ဤကုမ္ပဏီ၏ လုပ်ငန်းကုန်ကျစရိတ် တစ်စိတ်တစ်ဒေသဖြစ် သတ်မှတ်ရန်။

(၁၇) ဤကုမ္ပဏီ၏လုပ်ငန်းများ အရာရှိများ ဝန်ထမ်းများနှင့် အစုရှင်များအတွက် ထုတ်ပြန်ထားသော စည်းမျဉ်းများ၊ စည်းကမ်းချက်များ၊ စည်းကမ်းဥပဒေများကို အခါအားလျော်စွာ သတ်မှတ်ခြင်း၊ ပြင်ဆင်ခြင်း၊ ဖြည့်စွက်ခြင်း များ ဆောင်ရွက်ရန်။

(၁၈) ဤကုမ္ပဏီ၏ လုပ်ငန်းအတွက် ဤကုမ္ပဏီ၏အမည်ဖြင့်ဖြစ်စေ၊ ဤကုမ္ပဏီ၏ကိုယ်စားဖြစ်စေ လိုအပ် သည်ဟု ယူဆလျှင် ညှိနှိုင်းဆွေးနွေးခြင်းနှင့် ကန်ထရိုက်စာချုပ် ချုပ်ဆိုခြင်းများကို ပြုလုပ်ရန်၊ ဖျက်သိမ်းရန်နှင့် ပြင်ဆင်ရန်အပြင် အဆိုပါဆောင်ရွက်ချက် စာချုပ်များနှင့် ကိစ္စရပ်များကို လည်းကောင်း၊ ၄င်းတို့နှင့် စပ်လျဉ်းသော ကိစ္စရပ်များကို လည်းကောင်း လုပ်ကိုင်ဆောင်ရွက်ရန်။

(၁၉) ဒါရိုက်တာများက သင့်လျော်လျောက်ပတ်သည်ဟု ယူဆပါကကုမ္ပဏီ၏ စီးပွားရေးလုပ်ငန်းတွင် အကျိုးရှိစေရန်အတွက် မည်သည့် ပြည်တွင်းပြည်ပ ပုဂ္ဂိုလ်၊ စီးပွားရေးအဖွဲ့အစည်း၊ ကုမ္ပဏီ သို့မဟုတ် ဘဏ် သို့မဟုတ် ငွေကြေးအဖွဲ့အစည်းထံမှ မဆို ငွေချေးယူရန်။

အထွေထွေအစည်းအဝေးကြီးများ

၁၅။ ကုမ္ပဏီကိုဥပဒေအရဖွဲ့စည်းတည်ထောင်ပြီးသည့်နေ့မှတစ်ဆယ့်ရှစ်လအတွင်း အထွေထွေ သင်းလုံးကျွတ် အစည်းအဝေး ကြီးကို ကျင်းပရမည်။ ထို့နောက်ဒါရိုက်တာအဖွဲ့က သတ်မှတ်ပေးသည့် အချိန်နှင့်နေရာ များတွင်ပြက္ခဒိန်နှစ်တစ်နှစ်လျှင်အနည်းဆုံးတစ်ကြိမ်(နောက်ဆုံးကျင်းပသည့် အထွေထွေအစည်း အဝေးကြီး နှင့် တစ်ဆယ့်ငါးလထက် မပိုသည့်အချိန်၌) ကျင်းပရမည်။ သင်းလုံးကျွတ် အစည်းအဝေးစတင်၍ လုပ်ငန်းအတွက် ဆွေးနွေးချိန်တွင် အစည်းအဝေးအထမြောက်ရန် သတ်မှတ်သည့် အစုရှင်အရေအတွက် မတက်ရောက်သော မည်သည့်သင်းလုံးကျွတ်အစည်းအဝေးတွင်မဆို လုပ်ငန်းနှင့်ပတ်သက်၍ ဆုံးဖြတ် ဆောင်ရွက်ခြင်းမပြုရ။ ဤတွင်အခြားနည်းသတ်မှတ်ပြဋ္ဌာန်းခြင်းမရှိလျှင် ထုတ်ဝေထားသည့် မ,တည် ရင်းနှီးငွေ အစုရှယ်ယာများ၏ ငါးဆယ်ရာခိုင်နှုန်း ထက်မနည်းပိုင်ဆိုင်ကြသည့် (နှစ်ဦးထက်မနည်းသော) အစုရှင်များ ကိုယ်တိုင်တက်ရောက်လျှင် လုပ်ငန်းကိစ္စအားလုံးဆောင်ရွက်ရန်အတွက် အစည်းအဝေး အထမြောက် သည့်ဦးရေ ဖြစ်သည်။ အကယ်၍ ကုမ္ပဏီတွင် အစုရှင်အရေအတွက် နှစ်ဦးတည်းသာ ရှိသည့်ကိစ္စတွင်မူ ထိုနှစ်ဦးတည်းသည်ပင်လျှင် အစည်းအဝေး အထမြောက်ရန် သတ်မှတ်သည့် အရေအတွက် ဖြစ်စေရမည်။

အမြတ်ဝေစုများ

၁၆။ သင်းလုံးကျွတ် အစည်းအဝေးတွင် ဤကုမ္ပဏီ၏အစုရှင်များအားခွဲဝေပေးမည့် အမြတ်ဝေစုကို ကြေငြာရမည်။ သို့ရာတွင် အမြတ်ဝေစုသည် ဒါရိုက်တာများက ထောက်ခံသော ငွေပမာဏထက် မကျော်လွန်စေရ။ သက်ဆိုင်ရာနှစ်၏ အမြတ်ပမာဏ သို့မဟုတ် အခြားမခွဲဝေရသေးသည့် အမြတ်ပမာဏမှအပ အမြတ်ဝေစုကို ခွဲဝေမပေးရ။

ရုံးဝန်ထမ်းများ

၁၇။ ကုမ္ပဏီသည် လုပ်ငန်းရုံးတစ်ခုကို ဖွင့်လှစ်၍ဆောင်ရွက်မည်ဖြစ်ပြီး အရည်အချင်းပြည့်မှီသူ ပုဂ္ဂိုလ်တစ်ဦးအား အထွေထွေမန်နေဂျာအဖြစ် ခန့်အပ်ရန်နှင့် အခြားအရည်အချင်းပြည့်မှီသူများ အား ရုံးဝန်ထမ်းများအဖြစ်ခန့်အပ်မည်ဖြစ်သည်။ လစာ၊ ခရီးသွားလာစရိတ်နှင့် အခြားအသုံးစရိတ်များ ကဲ့သို့သော ဉာဏ်ပူဇော်ခများနှင့် အခကြေးငွေများကို ဒါရိုက်တာအဖွဲ့က သတ်မှတ်မည်ဖြစ်ပြီး ၎င်း သတ်မှတ်ချက်များကို သင်းလုံးကျွတ်အစည်းအဝေးက အတည်ပြုရမည်။ အထွေထွေမန်နေဂျာသည် လုပ်ငန်းရုံး၏ ထိရောက်စွာလုပ်ငန်း လည်ပတ်မှုအားလုံးအတွက် တာဝန်ရှိစေရမည်ဖြစ်ပြီး မန်နေဂျင်း ဒါရိုက်တာအားတာဝန်ခံ၍ ဆောင်ရွက်ရမည်။

ငွေစာရင်းများ

၁၈။ ဒါရိုက်တာများသည် သင့်လျော်သည့် ငွေစာရင်းစာအုပ်များကို အောက်ဖော်ပြပါသတ်မှတ်ချက်များ နှင့်အညီ ထားသိုထိန်းသိမ်းဆောင်ရွက်ရမည်။

(၁) ကုမ္ပဏီ၏ရငွေ၊သုံးငွေများ၏ပမာဏနှင့်၎င်းရငွေ၊သုံးငွေများဖြစ်ပေါ်ခြင်းနှင့်စပ်လျဉ်းသည့်အကြောင်းကိစ္စများ။

(၂) ကုမ္ပဏီ၏ ကုန်ပစ္စည်းများ ရောင်းချခြင်းနှင့် ဝယ်ယူခြင်းများ။

(၃) ဤကုမ္ပဏီ၏ ရရန်ပိုင်ခွင့်နှင့် ပေးရန်တာဝန်များ။

၁၉ ။ ငွေစာရင်းစာအုပ်အားလုံးကို ဤကုမ္ပဏီ၏ မှတ်ပုံတင်ထားသော လုပ်ငန်းရုံးများသို့မဟုတ် ဒါရိုက်တာ များက သင့်လျော်သည်ဟု ထင်မြင်ယူဆသော အခြားနေရာများတွင် သိမ်းဆည်းထားရမည်ဖြစ်ပြီး၊ ရုံးချိန်အတွင်း၌ ဒါရိုက်တာများက စစ်ဆေးနိုင်ရန် ပြသထားရမည်။

စာရင်းစစ်

၂၀။ စာရင်းစစ်များကို ခန့်အပ်ထားရမည်။ ၎င်းစာရင်းစစ်များ၏ တာဝန်သည် မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေ သို့မဟုတ် အခါအားလျော်စွာ ပြင်ဆင်သတ်မှတ်သည့် စည်းမျဉ်း စည်းကမ်းများ နှင့် လိုက်လျောညီထွေဖြစ်ရမည်။

နို့တစ်စာ

၂၀။ ဤကုမ္ပဏီသည် မည်သည့်အစုရှင်ထံသို့မဆို နို့တစ်စာကို လက်ရောက်ပေးအပ်ခြင်း သို့မဟုတ် နို့တစ်စာပါသော စာကိုစာတိုက်ခ ကြိုတင်ပေးထား၍ ၎င်းအစုရှင်ထံ မှတ်ပုံတင်လိပ်စာအတိုင်း စာတိုက်မှတဆင့် လိပ်မူပေးပို့ခြင်းအားဖြင့် ပေးပို့နိုင်သည်။

တံဆိပ်

၂၂။ ဒါရိုက်တာများသည် တံဆိပ်ကို လုံခြုံစွာထိန်းသိမ်းထားရန်အတွက် စီမံဆောင်ရွက်ရမည်။ ထိုတံဆိပ်ကို ဒါရိုက်တာများက ကြိုတင်ပေးအပ်ထားသည့် ခွင့်ပြုချက်ဖြင့်မှတစ်ပါး၊ ထို့အပြင် အနည်းဆုံး ဒါရိုက်တာတစ်ဦး ရှေ့မှောက်တွင်မှတစ်ပါး မည်သည့်အခါမျှ မသုံးရ။ တံဆိပ်ရိုက်နှိပ်ထားသည့် စာရွက်စာတမ်းတိုင်းတွင် ထိုဒါရိုက်တာက လက်မှတ်ရေးထိုးရမည်။

လျော်ကြေး

၂၃။ မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေပုဒ်မ ၈၆ (ဂ) တွင် ဖော်ပြပါရှိသည့် ပြဋ္ဌာန်းချက်များ၊ လက်ရှိတရားဝင် တည်ဆဲဥပဒေပြဋ္ဌာန်းချက်များနှင့် မဆန့်ကျင်စေဘဲ ကုမ္ပဏီ၏ ဒါရိုက်တာ၊ စာရင်းစစ်၊ အတွင်းရေးမှူးသို့မဟုတ် အခြားအရာရှိတစ်ဦးဦးမှာ မိမိ၏တာဝန်ဝတ္တရားများကို ဆောင်ရွက်ရာ၌ဖြစ်စေ ထိုတာဝန်ဝတ္တရားများနှင့် စပ်လျဉ်း၍ဖြစ်စေ ကျခံခဲ့ရသည့်စရိတ်များ၊ တောင်းခံငွေများ၊ ဆုံးရှုံးငွေများ၊ ကုန်ကျငွေများနှင့် ကြွေးမြီးတာဝန်များ အတွက် ကုမ္ပဏီထံမှ လျော်ကြေးရထိုက်ခွင့်ရှိစေရမည်။

ဖျက်သိမ်းခြင်း

၂၄။ ကုမ္ပဏီ၏ အထွေထွေအစည်းအဝေး ဆုံးဖြတ်ချက်ဖြင့် ကုမ္ပဏီအား ဖျက်သိမ်းနိုင်သည်။ ယင်းသို့ ဖျက်သိမ်းရာတွင် မြန်မာနိုင်ငံကုမ္ပဏီများ အက်ဥပဒေများနှင့် ယင်းဥပဒေများအား အခါအားလျော်စွာ ပြင်ဆင် ပြောင်းလဲထားသည့် တရားဥပဒေများတွင် ပါဝင်သည့် စည်းမျဉ်းများအတိုင်း လိုက်နာပြုလုပ်ရမည်။

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အောက်တွင် အမည်၊ နိုင်ငံသား၊ နေရပ်နှင့် အကြောင်းအရာစုံလင်စွာပါသော ဇယားတွင် လက်မှတ်ရေးထိုးသူ **ကျွန်ုပ်တို့** ကိုယ်စီကိုယ်ငှသည် ဤသင်းဖွဲ့စည်းမျဉ်းအရ ကုမ္ပဏီတစ်ခုဖွဲ့စည်းရန် လိုလားသည့်အလျောက် ကျွန်ုပ်တို့၏ **အမည်အသီးသီးနှင့်** ယှဉ်တွဲ၍ပြထားသော အစုရှယ်ယာများကို ကုမ္ပဏီ၏ မတည်ရင်းနှီးငွေတွင် ထည့်ဝင်ရယူကြရန် **သဘောတူကြပါသည်။**

စဉ်	အစုထည့်ဝင်သူများ၏ **အမည်**၊ နေရပ်လိပ်စာနှင့် အလုပ်အကိုင်	နိုင်ငံသားနှင့် အမျိုးသား မှတ်ပုံတင်အမှတ်	ဝယ်ယူသော အစုရှယ်ယာ ဦးရေ	ထိုးမြဲလက်မှတ်
၁။	**ဦးကောင်းမြတ်လင်း** **အမှတ်** (၅)၊ ရွှေစံပယ်လမ်း၊ **မရမ်းကုန်း**မြို့နယ်၊ ရန်ကုန်မြို့ ။ (ကုန်သည်)	မြန်မာ ၇/ဒဥန (နိုင်) ၀၉၇၈၁၁	၂၅၀	
၂။	**ဒေါ်ခင်မွန်** (ခ) ဒေါ်ခင်သီတာဦး **အမှတ်** (၁၁၀)၊ လှည်းတန်းလမ်း၊ **လမ်းမတော်**မြို့နယ်၊ ရန်ကုန်မြို့ ။ (ကုန်သည်)	မြန်မာ ၁၂/လမတ (နိုင်) ၀၃၀၀၈၃	၂၅၀	

မြို့။ နေ့စွဲ၊ ၂၀၁၀ ခုနှစ်၊ အောက်တိုဘာလ၊ ၂၇ ရက်။

က်ပါလက်မှတ်ရှင်များသည် ကျွန်ုပ်၏ရှေ့မှောက်တွင်
မှတ်ရေးထိုးကြပါသည်။

DAW CHO CHO MYINT
B-COM (Q), C.P.A
CERTIFIED PUBLIC ACCOUNTANT
Dip-In Business Law

THE MYANMAR COMPANIES ACT

PRIVATE COMPANY LIMITED BY SHARES

Memorandum Of Association

OF

GUIDING STAR GROUP LIMITED

❖ ❖ ❖ ❖ ❖ ❖ ❖

The name of the Company is GUIDING STAR GROUP LIMITED.

The registered office of the Company will be situated in the Union of Myanmar.

The objects for which the Company is established are as on the next page.

The liability of the members is limited.

The authorised capital of the Company is Ks. 100,000,000 /- (Kyats One Hundred Million Only) divided into (10,000) shares of Ks. 10,000 /- (Kyats Ten Thousand Only) each, with power in General Meeting either to increase, reduce or alter such capital from time to time in accordance with the regulations of the Company and the legislative provisions for the time being in force in this behalf.

To carry on the following services either solely on its own or in joint-venture, with any foreign or local partners -

(a) All kinds of agency business, technical consultants, business consultants, management consultants and advisory services.

(b) ~~Advertising and its agency business~~.

(c) ~~Business of entertainments and related activities~~.

(d) ~~Business of all kinds of medical services~~.

(e) Business of transportation (except railways and airways)

(f) ~~Business of printing and publishing~~.

(g) ~~Business of surveying and inspection~~.

(h) Business of feasibility study on new projects, projects formulation, project appraisal and project evaluation.

(i) ~~Business of Account writing, Auditing and legal advisory services.~~

(j) Business of servicing, maintenance of repairing of all kinds of vehicles and machines.

(k) ~~Business of installation, maintenance and renovation of electrical and electronic goods.~~

(2) To borrow money for the benefit of the Company's business from any person, firm, company, bank or financial organization in the manners that the Company shall think fit.

PROVISO: - *Provided that the Company shall not exercise any of the above objects whether in the Union of Myanmar or elsewhere, save in so far as it may be entitled so as to do in accordance with the Laws, Orders and Notifications in force from time to time and then only subject to such permission and or approval as may be prescribed by the Laws, Orders and Notifications of the Union of Myanmar for the time being in force.*

We, the several persons, whose names, nationalities, addresses and descriptions are subscribed below, are desirous of being formed into a Company in pursuance of this Memorandum of Association, and we respectively agree to take the number of shares in the Capital of the Company set opposite our respective names.

Sr. No.	Name, Address and Occupation of Subscribers	Nationality & N.R.C No.	Number of shares taken	Signatures
1.	**U Kaung Myat Lynn** **No. (5), Shwe Sabei Lane,** **Mayangone Township, Yangon.** **(Merchant)**	**Myanmar** **7/DaOuNa** **(Naing)** **097811**	**250**	(signed)
2.	**Daw Khin Mon (a)** **Daw Khin Thida Oo** **No. (110), Hledan Street,** **Lanmadaw Township, Yangon.** **(Merchant)**	**Myanmar** **12/LaMaTa** **(Naing)** **030083**	**250**	(signed)

Township. Dated the 27th day of October, 2010.

It is hereby certified that the persons mentioned above put their signatures in my presence.

(signed)

DAW CHO CHO MYINT
B-COM (Q) C.P.A
CERTIFIED PUBLIC ACCOUNTANT
Dip-In Business Law

THE MYANMAR COMPANIES ACT

PRIVATE COMPANY LIMITED BY SHARES

Articles Of Association

OF

GUIDING STAR GROUP LIMITED

❖ ❖ ❖ ❖ ❖ ❖ ❖

1. The regulations contained in Table 'A' in the First Schedule to the Myanmar Companies Act shall apply to the Company save in so far as such regulations which are inconsistent with the following Articles. The compulsory regulations stipulated in Section 17 (2) of the Myanmar Companies Act shall always be deemed to apply to the Company.

PRIVATE COMPANY

2. The Company is to be a Private Company and accordingly following provisions shall have effect: -

(a) The mumber of the Company, exclusive of persons who are in the employment of the Company, shall be limited to fifty.

(b) Any invitation to the public to subscribe for any share or debenture or debenture stock of the Company is hereby prohibited.

CAPITAL AND SHARES

The authorised capital of the Company is Ks. 100,000,000 /- (Kyats One Hundred Million Only) divided into (10,000) shares of Ks. 10,000 /- (Kyats Ten Thousand Only) each, with power in General Meeting either to increase, reduce or alter such capital from time to time in accordance with the regulations of the Company and the legislative provisions for the time being in force in this behalf.

Subject to the provisions of the Myanmar Companies Act the shares shall be under the control of the Directors, who may allot or otherwise dispose of the same to such persons and on such terms and conditions as they may determine.

5. The certificate of title to share shall be issued under the Seal of the Company, and signed by the General Manager or some other persons nominated by the Board of Directors. If the share certificate is defaced, lost or destroyed, it may be renewed on payment of such fee, if any, and on such terms, if any, as to evidence and indemnity as the Directors may think fit. The legal representative of a deceased member shall be recognized by the Directors.

6. The Directors may, from time to time make call upon the members in respect of any money unpaid on their shares, and each member shall be liable to pay the amount of every call so made upon him to the persons, and at the times and places appointed by the Directors. A call may be made payable by instalments or may be revoked or postponed as the Directors may determine.

DIRECTORS

7. Unless otherwise determined by a General Meeting the number of Directors shall not be less than (**2**) and not more than (**10**).

The First Directors shall be:-

(1) U Kaung Myat Lynn
(2) Daw Khin Mon (a) Daw Khin Thida Oo
(3)
(4)
(5)

8. The Directors may from time to time appoint one of their body to the office of the Managing Director for such terms and at such remuneration as they think fit and he shall have all the powers delegated to him by the Board of Directors from time to time.

9. The qualification of a Director shall be the holding of at least (-) shares in the Company in his or her own name and it shall be his duty to comply with the provision of Section (85) of the Myanmar Companies Act.

10. The Board of Directors may in their absolute and uncontrolled discretion refuse to register any proposed transfer of shares without assigning any reason.

PROCEEDINGS OF DIRECTORS

11. The Director may meet together for the despatch of business, adjourn and otherwise regulate their meeting as they think fit and determine the quorum necessary for the transaction of business. Unless otherwise determined, two shall form a quorum. If any question arising at any meeting the Managing Director's decision shall be final. When any matter is put to a vote and if there shall be an equality of votes, the Chairman shall have a second or casting vote.

12. Any Director may at any time summon a meeting of Directors.

13. A resolution in writing signed by all the Directors shall be as effective for all purposes as a resolution passed out at meeting of the Directors, duly called, held and constituted.

POWERS AND DUTIES OF DIRECTORS

14. Without prejudice to the general power conferred by Regulation 71 of the Table "A" of the Myanmar Companies Act, it is hereby expressly declared that the Directors shall have the following powers, that is to say power:-

(1) To purchase or otherwise acquire for the Company any property, rights or privileges which the Company is authorized to acquire at such price, and generally on such terms and conditions as they think fit; also to sell, lease, abandon or otherwise deal with any property, rights or privileges to which the Company may be entitled, on such terms and conditions as they may think fit.

(2) To raise, borrow or secure the payment of such sum or sums in such manner and upon such terms and conditions in all respects as they think fit and in particular by the issue of debentures or debentures stocks of the Company charged upon all or any part of the property of the Company (both present and future) including its uncalled capital for the time being.

(3) At their discretion, to pay for any rights acquired or services rendered to the Company, either wholly or partially in cash or in shares, bonds , debentures or other securities of the Company and any such shares may be issued either as fully paid up or with such amount credited as paid up there on as may be agreed upon ; and any such bonds, debentures or other securities may be either specifically charged up on all or any part of the property of the Company and its uncalled capital or not so charged.

(4) To secure the fulfilment of any contract or engagement entered into by the Company by mortgage or charge upon all or any of the property of the Company and its uncalled capital for the time being or by granting calls on shares or in such manner as they may think fit.

(5) To appoint at their discretion, remove or suspend such Managers, Secretaries, Officers, Clerks, Agents and Servants for permanent, temporary or special services as they may from time to time think fit and to determine their duties and powers and fix their salaries or emoluments and to require security in such instances in such amount as they think fit and to depute any officers of the Company to do all or any of these things on their behalf.

(6) To appoint a Director as Managing Director , General Manager , Secretary or Departmental Manager in conjunction with his Directorship of the Company.

(7) To accept from any member on such terms and conditions as shall be agreed on the surrender of his shares or any part thereof.

(8) To appoint any person or persons to accept and hold in trust for the Company any property belonging to the Company or in which it is interested or for any other purposes and to execute and do all such deeds and things as may be requisite in relation to any such trust.

(9) To institute conduct, defend of abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and allow time for payment or satisfaction of any debts due to or of any claims and demands by or against the Company.

(10) To refer claims and demands by or against the Company to arbitration and to observe and perform the awards.

(11) To make and give receipts, releases and other discharges for money payable to the Company and for the claims and demands of the Conpany.

(12) To act on behalf of the Company in all matters relating to bankruptcy and insolvency.

(13) To determine who shall be entitled to sign bills of exchange, cheques, promissory notes zreceipts,endorsements,releases, contracts and documents for or on behalf of the Company.

(14) To invest,place on deposit and otherwise deal with any of the moneys of the Company not immediately required for the purpose thereof, upon securities or without securities and in such manners as the Directors may think fit, and from time to time vary or realize such investments.

(15) To execute in the name and on behalf of the Company in favour of any Director or other person who may incur or be about to incur any personal liability for the benefit of the Company, such mortgages of the Company's property (present and future)as they think fit and any such mortgage may contain a power of sale and such other powers, covenants and provisions as shall be agreed on.

(16) To give any officer or other person employed by the Company a commission on the profits of any particular business or transaction or a share in the general profit of the Company and such commission or share of profit shall be treated as part of the working expenses of the Company.

(17) From time to time, to make, vary and repeal bye- laws for the regulation of the business of the Company, the officers and servants or the members of the Company or any section thereof.

(18) To enter into all such negotiations and contracts and rescind and vary all such contracts and execute and do all such acts, deeds and things in the name and on behalf of the Company as they may consider expedient for or in relation to any of the matter aforesaid or otherwise for the purposes of the Company.

(19) To borrow money for the benefit of the Company's business from any person, firm or company or bank or financial organization of local and abroad in the manner that the Directors shall think fit.

GENERAL MEETINGS

15. A general meeting shall be held within eighteen months from the date of its incorporation and thereafter at least once in every calendar year at such time (not being more than fifteen months after the holding of the last preceeding general meeting) and places as may be fixed by the Board of Directors. No business shall be transacted at any general meeting unless a quorum of members is presented at the time when the meeting proceeds to business, save as herein otherwise provided Member holding not less than 50 percent of the issued shares capital (not less than two members) personally present, shall form a quorum for all purposes. And if and when in the case of there are only two number of members in the Company, those two members shall form a quorum.

DIVIDENDS

16. The Company in general meeting may declare a dividend to be paid to the members , but no dividend shall exceed the amount recommended by the Directors .No dividends shall be paid otherwise than out of the profits of the year or any other undistributed profits .

OFFICE STAFF

17. The Company shall maintain an office establisment and appoint a qualified person as General Manager and other qualified persons as office staffs . The remunerations and allowances such as salaries , travelling allowances and other expenditures incidental to the business shall be determined by the Board of Directors, and approved by the general meeting .The General Manager shall be responsible for the efficient operation of the office in every respect and shall be held accountable at all times to the Managing Director.

ACCOUNTS

18. The Directors shall cause to be kept proper books of account with respect to:-

(1) ***all sums of money received and expended by the Company and the matters in respect of which the receipts and expenditures take place:***

(2) ***all sales and purchases of goods by the Company ;***

(3) ***all assets and liabilities of the Company.***

19. The books of account shall be kept at the registered office of the Company or at such other place as the Directors shall think fit and shall be opened to inspection by the Directors during office hours.

AUDIT

20. Auditors shall be appointed and their duties regulated in accordance with the provisions of the Myanmar Companies Act or any statutory modifications thereof for the time being in force.

NOTICE

21. A notice may be given by the Company to any member either personally or sending it by post in a prepaid letter addressed to his registered address.

THE SEAL

22. The Directors shall provide for the safe custody of the Seal, and the Seal shall never be used except by the authority of the Directors previously given, and in the presence of one Director at least, who shall sign every instrument to which the Seal is affixed.

INDEMNITY

23. Subject to the provisions of Section 86 (C) of the Myanmar Companies Act and the existing laws, every Director, Auditor, Secretary or other officers of the Company shall be entitled to be indemnified by the Company against all costs, charges, losses, expenses and liabilities incurred by him in the execution and discharge of the duties or in relation thereto.

WINDING - UP

24. Subject to the provisions contained in the Myanmar Companies Act and the statutory modification thereupon, the Company may be wound up voluntarily by the resolution of General Meeting.

❖ ❖ ❖ ❖

We, the several persons, whose names, nationalities, addresses and descriptions are subscribed below, are desirous of being formed into a Company in pursuance of this Articles of Association, and we respectively agree to take the number of shares in the Capital of the Company set opposite our respective names.

Sr. No.	Name, Address and Occupation of Subscribers	Nationality & N.R.C No.	Number of shares taken	Signatures
1.	**U Kaung Myat Lynn** **No. (5), Shwe Sabei Lane,** **Mayangone Township, Yangon.** **(Merchant)**	**Myanmar** **7/DaOuNa** **(Naing)** **097811**	**250**	(signed)
2.	**Daw Khin Mon (a)** **Daw Khin Thida Oo** **No. (110), Hledan Street,** **Lanmadaw Township, Yangon.** **(Merchant)**	**Myanmar** **12/LaMaTa** **(Naing)** **030083**	**250**	(signed)

Township. Dated the 27th day of October, 2010.

It is hereby certified that the persons mentioned above put their signatures in my presence.

(signed)

DAW CHO CHO MYINT
B-COM (Q) C.P.A
CERTIFIED PUBLIC ACCOUNTANT
Dip-In Business Law

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 15

Evidence of Financial Standing and Audited Financial Statements

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

AVAKAHYASI INVESTMENTS PTE. LTD.

(Incorporated in Singapore. Registration Number: 201316402K)

FINANCIAL STATEMENTS

For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

AVAKAHYASI INVESTMENTS PTE. LTD.
(Incorporated in Singapore)

FINANCIAL STATEMENTS
For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

CONTENTS

DIRECTORS' REPORT

For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

The directors present their report to the members together with the audited financial statements for the financial period from 18 June 2013 (date of incorporation) to 31 March 2014.

Directors

The director in office at the date of this report is as follows:

Lim Li Chia (Lin Lijia) (Appointed on 18 June 2013)

Arrangements to enable directors to acquire shares and debentures

Neither at the end of nor at any time during the financial period was the Company a party to any arrangement whose object was to enable the directors of the Company to acquire benefits by means of the acquisition of shares in, or debentures of, the Company or any other body corporate.

Directors' interests in shares or debentures

According to the register of directors' shareholdings, none of the directors holding office at the end of the financial period had any interest in the shares or debentures of the Company or its related corporations.

Directors' contractual benefits

Since the date of incorporation, no director has received or become entitled to receive a benefit by reason of a contract made by the Company or a related corporation with the director or with a firm of which he is a member or with a company in which he has a substantial financial interest, except as disclosed in the accompanying financial statements and in this report, and except that certain director receives remuneration as a result of her employment with related corporations.

Share options

No options were granted during the financial period to subscribe for unissued shares of the Company.

No shares have been issued during the financial period by virtue of the exercise of options to take up unissued shares of the Company.

There were no unissued shares of the Company under option at the end of the financial period.

Independent auditor

The independent auditor, LCC PARTNERSHIP, has expressed its willingness to accept the appointment.

LIM LI CHIA (LIN LIJIA)
Director

01 JUL 2014

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT BY DIRECTORS
For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

In the opinion of the directors,

(a) the financial statements as set out on pages 6 to 19 are drawn up so as to give a true and fair view of the state of affairs of the Company as at 31 March 2014 and of the results of the business, changes in equity and cash flows of the Company for the financial period then ended; and

(b) at the date of this statement, on the understanding that continuing financial support will be provided by the immediate and ultimate holding corporation, there are reasonable grounds to believe that the Company will be able to pay its debts as and when they fall due.

LIM LI CHIA (LIN LIJIA)
Director

01 JUL 2014

LCC PARTNERSHIP
chartered accountants
(Reg. No.: T04PF0810G)

200 Jalan Sultan, #08-02
Textile Centre, Singapore 199018
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lcc@lccglobal.com www.lccglobal.com

INDEPENDENT AUDITOR'S REPORT TO THE MEMBER OF AVAKAHYASI INVESTMENTS PTE. LTD.

Report on the Financial Statements

We have audited the accompanying financial statements of AVAKAHYASI INVESTMENTS PTE. LTD., which comprise the balance sheet as at 31 March 2014, and the statement of comprehensive income, statement of changes in equity and statement of cash flows for the financial period from 18 June 2013 (date of incorporation) to 31 March 2014, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of financial statements that give a true and fair view in accordance with the provisions of the Singapore Companies Act, Cap. 50 (the "Act") and Singapore Financial Reporting Standards, and for devising and maintaining a system of internal accounting controls sufficient to provide a reasonable assurance that assets are safeguarded against loss from unauthorised use or disposition; and transactions are properly authorised and that they are recorded as necessary to permit the preparation of true and fair profit and loss accounts and balance sheets and to maintain accountability of assets.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Singapore Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

LCC PARTNERSHIP
chartered accountants
(Reg. No.: T04PF0810G)

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Textile Centre, Singapore 199018
+65 6323 2261 +65 6725 8028 (fax)
lcc@lccglobal.com www.lccglobal.com

INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF AVAKAHYASI INVESMENTS PTE. LTD. (continued)

Opinion

In our opinion, the financial statements are properly drawn up in accordance with the provisions of the Act and Singapore Financial Reporting Standards so as to give a true and fair view of the state of affairs of the Company as at 31 March 2014 and the results, changes in equity and cash flows of the Company for the financial period ended on that date.

Emphasis of Matter

We draw attention to Note 2.2 to the financial statements which indicate that the Company incurred a net loss of USD53,168 during the financial period from 18 June 2013 (date of incorporation) to 31 March 2014 and, as of that date, the Company's current liabilities exceeded its current assets by USD53,167. These conditions indicate the existence of a material uncertainty that may cast significant doubt about the Company's ability to continue as a going concern. The ability of the Company to continue on a going concern depends on the immediate and ultimate holding corporation undertaking to provide continuing financial support.

If the Company is unable to continue in operational existence for the foreseeable future, the Company may be unable to realise its assets and discharge its liabilities in the normal course of business and adjustments may have to made to reflect the situation that assets may need to be realised other than in the normal course of business and at amounts which could differ significantly from the amounts at which they are currently recorded in the balance sheet. In addition, the Company may have to reclassify non-current assets and liabilities as current assets and liabilities. No such adjustments have been made to these financial statements. In forming our opinion, we have considered the adequacy of the disclosures of the above matter in the financial statements. Our opinion is not qualified in respect of this matter.

Report on Other Legal and Regulatory Requirements

In our opinion, the accounting and other records required by the Act to be kept by the Company have been properly kept in accordance with the provisions of the Act.

LCC PARTNERSHIP
Public Accountants and
Chartered Accountants
Singapore, 01 JUL 2014

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF COMPREHENSIVE INCOME

For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

	Note	**Period from 18.6.2013 to 31.3.2014 USD**
Sales		-
Other gains	3	**27**
Expenses		
- Professional fees		**(26,024)**
- Travelling and transportation		**(22,666)**
- Other		**(4,416)**
- Finance expense	4	**(89)**
		(53,195)
Loss before income tax		**(53,168)**
Income tax expense	5	-
Loss after tax		**(53,168)**
Other comprehensive income		-
Total comprehensive income		**(53,168)**

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

BALANCE SHEET
As at 31 March 2014

	Note	31.3.2014 USD
ASSETS		
Current assets		
Cash and bank deposits	6	**48,236**
Total assets		**48,236**
LIABILITIES		
Current liabilities		
Other payables	7	**101,403**
Total liabilities		**101,403**
NET LIABILITIES		**(53,167)**
EQUITY		
Share capital	8	**1**
Accumulated losses		**(53,168)**
Total equity		**(53,167)**

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF CHANGES IN EQUITY

For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

	Share capital USD	Accumulated losses USD	Total equity USD
31.3.2014			
At date of incorporation	1	-	1
Total comprehensive income	-	(53,168)	(53,168)
End of financial period	**1**	**(53,168)**	**(53,167)**

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF CASH FLOWS

For the financial period from 18 June 2013 (date of incorporation) to 31 March 2014

	Period from 18.6.2013 to 31.3.2014 USD
Cash flows from operating activities	
Loss after tax	(53,168)
Adjustment for:	
- Interest expense	89
	(53,079)
Changes in working capital	
- Other current assets	-
- Other payables	41,314
Net cash used in operating activities	(11,765)
Cash flows from financing activities	
Other payables	60,000
Proceeds from issuance of ordinary shares	1
Net cash provided by financing activities	60,001
Net increase in cash and bank equivalent	48,236
Cash and bank deposits at the date of incorporation	-
Cash and bank deposits at end of financial period	48,236

The accompanying notes form an integral part of these financial statements.

These notes form an integral part of and should be read in conjunction with the accompanying financial statements.

1. General information

The Company is incorporated and domiciled in Singapore. The address of its registered office is 29 Stanley Street, #02-01 Singapore 068738.

The principal activities of the Company are those of investment holding companies and activities of head and regional head offices. The Company has commenced its operations during the financial period

2. Significant accounting policies

2.1 Basis of preparation

The financial statements have been prepared in accordance with Singapore Financial Reporting Standards ("FRS"). The financial statements have been prepared under the historical cost convention, except as disclosed in the accounting policies below.

The preparation of these financial statements in conformity with FRS requires management to exercise its judgement in the process of applying the Company's accounting policies. It also requires the use of certain critical accounting estimates and assumptions.

Interpretations and amendments to published standards effective in 2013

On 18 June 2013 (date of incorporation), the Company adopted the new or amended FRS and Interpretations to FRS ("INT FRS") that are mandatory for application from that date. Changes to the Company's accounting policies have been made as required, in accordance with the transitional provisions in the respective FRS and INT FRS.

The adoption of these new or amended FRS and INT FRS did not result in substantial changes to the Company's accounting policies and had no material effect on the amounts reported for the current financial period except for the followings:-

Amendments to FRS 1 *Presentation of Items of Other Comprehensive Income*
The Company has adopted the amendment to FRS *1 Presentation of Items of Other Comprehensive Income* on 18 June 2013. The amendment is applicable for annual periods beginning on or after 1 July 2012 (with early adoption permitted). It requires items presented in OCI to be separated into two groups, based on whether or not they may be recycled to profit or loss in the future.

2. **Significant accounting policies** (continued)

2.2 Going concern

The Company incurred a net loss of USD53,168 during the financial period from 18 June 2013 (date of incorporation) to 31 March 2014, as that date, the Company's current liabilities exceeded its current assets by USD53,167. These conditions indicate the existence of a material uncertainty that may cast significant doubt about the Company's ability to continue as a going concern. The ability of the Company to continue on a going concern depends on the immediate and ultimate holding corporation undertaking to provide continuing financial support.

If the Company is unable to continue in operational existence for the foreseeable future, the Company may be unable to realise its assets and discharge its liabilities in the normal course of business and adjustments may have to made to reflect the situation that assets may need to be realised other than in the normal course of business and at amounts which could differ significantly from the amounts at which they are currently recorded in the balance sheet. In addition, the Company may have to reclassify non-current assets and liabilities as current assets and liabilities. No such adjustments have been made to these financial statements.

2.3 Revenue recognition

Sales comprise the fair value of the consideration received or receivable for the rendering of services in the ordinary course of the Company's activities.

Revenue from rendering of services is recognised when the services are rendered, using the percentage of completion method based on the actual service provided as a proportion of the total services to be performed and the collectability of the related receivables is reasonably assured. Sales are presented net of goods and services tax, rebates and discounts.

2.4 Borrowing costs

Borrowing costs are recognised in profit or loss using the effective interest method.

2. Significant accounting policies (continued)

2.5 Income taxes

Current income tax is recognised at the amount expected to be paid to or recovered from the tax authorities.

Deferred income tax is recognised for all temporary differences except when the deferred income tax arises from the initial recognition of an asset or liability that affects neither accounting nor taxable profit or loss at the time of the transaction.

Current and deferred income tax is measured using the tax rates and tax laws that have been enacted or substantively enacted by the balance sheet date, and are recognised as income or expenses in profit or loss, except to the extent that the tax arises from a transaction which is recognised directly in equity.

2.6 Loans and Receivables

Bank balances
Trade and other receivables

Bank balances and trade and other receivables are initially recognised at their fair values plus transaction costs and subsequently carried at amortised cost using the effective interest method, less accumulated impairment losses.

The Company assesses at each balance sheet date whether there is objective evidence that these financial assets are impaired and recognises an allowance for impairment when such evidence exists. Significant financial difficulties of the debtor, probability that the debtor will enter bankruptcy and default or significant delay in payments are objective evidence that these financial assets are impaired.

The carrying amount of these assets is reduced through the use of an impairment allowance account which is calculated as the difference between the carrying amount and the present value of estimated future cash flows, discounted at the original effective interest rate.

These assets are presented as current assets except for those that are expected to be realised later than 12 months after the balance sheet which are presented as non-current assets.

2. Significant accounting policies (continued)

2.7 Trade and other payables

Trade and other payables represent unpaid liabilities for goods and services provided to the Company prior to the end of financial year. They are classified as current liabilities if payment is due within one year or less (or in the normal operating cycle of the business, if longer). If not, they are presented as non-current liabilities.

Trade and other payables are initially recognised at fair value and subsequently carried at amortised cost, using the effective interest method.

2.8 Offsetting financial instruments

Financial assets and liabilities are offset and the net amount reported in the balance sheet when there is a legally enforceable right to offset and there is an intention to settle on a net basis or realise the assets and settle the liability simultaneously.

2.9 Fair value estimation of financial assets and liabilities

The carrying amounts of current financial assets and liabilities carried at amortised cost approximate their fair values.

2.10 Cash and bank deposits

For the purpose of presentation in the cash flow statement, cash and cash equivalents include cash on hand, deposits with financial institutions which are subject to an insignificant risk of change in value.

2.11 Dividends

Dividends to the Company's shareholders are recognised when the dividends are approved for payment.

2. Significant accounting policies (continued)

2.12 Currency translation

The financial statements are presented in United States Dollar, which is the functional currency of the Company.

Transactions in a currency other than United States Dollar ("foreign currency") are translated into United States Dollar using the exchange rates at the dates of the transactions. Currency translation differences resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in foreign currencies at the closing rates at the balance sheet date are recognised in profit or loss. Non-monetary items measured at fair values in foreign currencies are translated using the exchange rates at the date when the fair values are determined. Currency translation differences on these items are included in the fair value reserve.

Foreign exchange gains and losses that relate to borrowings are presented within 'finance cost'. All other foreign exchange gains and losses impacting profit or loss are presented within 'other gains/losses – net'.

2.13 Share capital

Ordinary shares are classified as equity. Incremental costs directly attributable to the issuance of new ordinary shares are deducted against the share capital account.

2.14 Related parties

Parties are considered to be related if one party has the ability to control the other party or exercise significant influence over the other party in making financial and operating decisions.

3. Other gains

	Period from 18.6.2013 to 31.3.2014 USD
Net currency translation gains	27

4. Finance expenses

	Period from 18.6.2013 to 31.3.2014 USD
Interest expense	
– amount due to ultimate holding corporation	89

5. Income tax

Income tax expense

	Period from 18.6.2013 to 31.3.2014 USD
Tax expense attributable to loss is made up of:	
- Current income tax	-

The tax on loss before tax differs from the theoretical amount that would arise using the Singapore standard rate of income tax as follows:

	Period from 18.6.2013 to 31.3.2014 USD
Loss before tax	(53,168)
Tax calculated at a tax rate of 17%	(9,038)
Effects of:	
- income not subject to tax	(5)
- expenses not deductible for tax purposes	9,043
Tax charge	-

6. Cash and bank deposits

	31.3.2014 USD
Cash at bank and on hand	48,236

7. Other payables

	31.3.2014 USD
Amount due to ultimate holding corporation (#)	60,000
Other accruals for operating expenses	41,403
	101,403

(#) Amount due to ultimate holding corporation is non-trade, unsecured and bore an interest rate at 1% per annum, and to be settled in cash. The amount due to ultimate holding corporation is repayable upon demand.

8. Share capital

The Company's share capital comprises fully paid-up 1 ordinary share with no par value, amounting to a total of $1.

At the date of incorporation, the Company issued 1 ordinary share for a total consideration of $1 for the purpose of incorporation.

9. Financial risk management

Financial risk factors

The Company's overall risk management is determined and carried out by directors at their discretion and in the best interest of the Company. The information presented below is based on information received by key management.

(a) Market risk

(i) Currency risk

The Company's business operations are not exposed to significant foreign currency risks as it has no significant transactions denominated in foreign currencies.

(ii) Price risk

The Company has insignificant exposure to equity price risk.

(iii) Interest rate risk

The Company has insignificant financial assets or liabilities that are exposed to interest rate risks.

(b) Credit risk

The Company monitors its exposure to credit risk on an ongoing basis.

The maximum exposure to credit risk is the carrying amount of bank deposits presented on the balance sheet.

There are no trade receivables at balance sheet date.

(i) Financial assets that are neither past due nor impaired

Bank deposits that are neither past due nor impaired are mainly deposits with banks which have high credit-ratings as determined by international credit-rating agencies.

(ii) Financial assets that are past due and/or impaired

There is no other class of financial assets that is past due and/or impaired.

9. Financial risk management (continued)

(c) Liquidity risk

The Company adopts prudent liquidity risk management by maintaining cash sufficient to enable it to meet its operational requirements.

The table below analyses the Company's non-derivative financial liabilities into relevant maturity groupings based on the remaining period from the balance sheet date to the contractual maturity date. The amounts disclosed in the table are the contractual undiscounted cash flows.

	Less than 1 year USD
At 31 March 2014	
Other payables	101,403

(d) Capital risk

The Company's objectives when managing capital are to ensure that the Company is adequately capitalised and to maintain an optimal capital structure by issuing or redeeming additional equity and debt instruments when necessary.

The Board of Directors monitor its capital based on net debt and total capital. Net debt is calculated as other payables less cash and bank deposits. Total capital is calculated as equity plus net debts.

	31.3.2014 USD
Net debt	**53,167**
Total equity	**(53,167)**
Total capital	**-**

The Company is not subject to any externally imposed capital requirements.

10. Comparatives

There were no comparative figures as this is the first set of financial statements since the date of incorporation.

11. Immediate and ultimate holding corporation

The Company's immediate and ultimate holding corporation is Cathay Petroleum International Limited, incorporated in Hong Kong.

12. Related party transactions

In addition to the information disclosed elsewhere in the financial statements, the following transactions took place between the Company and related parties at terms agreed between the parties:

	Period from 18.6.2013 to 31.3.2014 USD
Interest expense charged by ultimate holding corporation	89
Advances from ultimate holding corporation	60,000

Balances with related parties at the balance sheet date are unsecured and payable within 12 months from balance sheet date and are disclosed in Note 7.

13. New or revised accounting Standards and Interpretations

The Company has not early adopted any mandatory standard, amendments and interpretations to existing standards that have been published but are only effective for Company's accounting periods beginning after 18 June 2013. However, management anticipates that the adoption of these standards, amendments and interpretations will not have a material impact on the financial statements of the Company in the period of their initial adoption.

14. Authorisation of financial statements

These financial statements were authorised for issue in accordance with a resolution of the Board of Directors of AVAKAHYASI INVESTMENTS PTE. LTD. on 01 JUL 2014

Cathay Petroleum International Ltd
龍華石油國際有限公司

The Chairman
Myanmar Investment Commission
1 Thitsar Road
Yankin Township
Yangon 11081
Myanmar

7th November 2014

Subject : Submission of Proposal for Incorporation of Ava Gas Company

Your Excellency,

Cathay Petroleum, incorporated in Hong Kong since 2003, is primarily engaged in petroleum trading, project development and investment activities.

We are writing to confirm our 100% ownership of Ava Kahyasi Investments Pte Ltd, a Special Purpose Company which we have established in Singapore through which to realise the incorporation of Ava Gas Company in Myanmar and implement the investment detailed in this proposal.

We attach herein our latest audited financials and other due diligence documentation as per your latest guidance and would like to highlight our present banking facilities of 140 million USD together with total assets of 46 million USD and cash in bank of 7.7 million USD which we believe will adequately demonstrate our capability to meet the financial requirements of this investment.

We trust that you will review our investment proposal favourably and we look forward to working to realise this valuable project, which we believe is in line with the sustainable development objectives of Myanmar.

Yours Faithfully,

Jason Wei Chen
Managing Director
For and on behalf of
Cathay Petroleum International Ltd.

903, China Merchants Tower, Shun Tak Centre, 168-200 Connaught Road Central, Hong Kong
Tel: 852-2525 2938 Fax: 852-2525 3938
Registered in Hong Kong No. 839333

AVAKAHYASI INVESTMENTS PTE. LTD.

(Incorporated in Singapore. Registration Number: 201316402K)

FINANCIAL STATEMENTS

For the financial year ended 31 March 2015

AVAKAHYASI INVESTMENTS PTE. LTD.
(Incorporated in Singapore)

FINANCIAL STATEMENTS
For the financial year ended 31 March 2015

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DIRECTORS' REPORT

For the financial year ended 31 March 2015

The directors present their report to the members together with the audited financial statements for the financial year ended 31 March 2015.

Directors

The director in office at the date of this report is as follows:

Lim Li Chia (Lin Lijia)

Arrangements to enable directors to acquire shares and debentures

Neither at the end of nor at any time during the financial year was the Company a party to any arrangement whose object was to enable the directors of the Company to acquire benefits by means of the acquisition of shares in, or debentures of, the Company or any other body corporate.

Directors' interests in shares or debentures

According to the register of directors' shareholdings, none of the directors holding office at the end of the financial year had any interest in the shares or debentures of the Company or its related corporations.

Directors' contractual benefits

Since the end of the previous financial period, no director has received or become entitled to receive a benefit by reason of a contract made by the Company or a related corporation with the director or with a firm of which he is a member or with a company in which he has a substantial financial interest, except as disclosed in the accompanying financial statements and in this report, and except that certain director receives remuneration as a result of her employment with related corporations.

Share options

No options were granted during the financial year to subscribe for unissued shares of the Company.

No shares have been issued during the financial year by virtue of the exercise of options to take up unissued shares of the Company.

There were no unissued shares of the Company under option at the end of the financial year.

AVAKAHYASI INVESTMENTS PTE. LTD.

DIRECTORS' REPORT
For the financial year ended 31 March 2015

Independent auditor

The independent auditor, LCC PARTNERSHIP, has expressed its willingness to accept re-appointment.

LIM LI CHIA (LIN LIJIA)
Director

30 SEP 2015

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT BY DIRECTORS
For the financial year ended 31 March 2015

In the opinion of the directors,

(a) the financial statements as set out on pages 6 to 20 are drawn up so as to give a true and fair view of the state of affairs of the Company as at 31 March 2015 and of the results of the business, changes in equity and cash flows of the Company for the financial year then ended; and

(b) at the date of this statement, on the understanding that continuing financial support will be provided by the immediate and ultimate holding corporation, there are reasonable grounds to believe that the Company will be able to pay its debts as and when they fall due.

LIM LI CHIA (LIN LIJIA)
Director
30 SEP 2015

LCC PARTNERSHIP
chartered accountants
(Reg. No.: T04PF0810G)

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INDEPENDENT AUDITOR'S REPORT TO THE MEMBER OF AVAKAHYASI INVESTMENTS PTE. LTD.

Report on the Financial Statements

We have audited the accompanying financial statements of AVAKAHYASI INVESTMENTS PTE. LTD., which comprise the balance sheet as at 31 March 2015, and the statement of comprehensive income, statement of changes in equity and statement of cash flows for the financial year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of financial statements that give a true and fair view in accordance with the provisions of the Singapore Companies Act, Cap. 50 (the "Act") and Singapore Financial Reporting Standards, and for devising and maintaining a system of internal accounting controls sufficient to provide a reasonable assurance that assets are safeguarded against loss from unauthorised use or disposition; and transactions are properly authorised and that they are recorded as necessary to permit the preparation of true and fair financial statements and to maintain accountability of assets.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Singapore Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

LCC PARTNERSHIP
chartered accountants
(Reg. No.: T04PF0810G)

200 Jalan Sultan, #08-02
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lcc@lccglobal.com www.lccglobal.com

INDEPENDENT AUDITOR'S REPORT TO THE MEMBER OF AVAKAHYASI INVESMENTS PTE. LTD. (continued)

Opinion

In our opinion, the financial statements are properly drawn up in accordance with the provisions of the Act and Singapore Financial Reporting Standards so as to give a true and fair view of the financial position of the Company as at 31 March 2015 and of the financial performance, changes in equity and cash flows of the Company for the financial year ended on that date.

Emphasis of Matter

We draw attention to Note 2.2 to the financial statements which indicate that the Company incurred a net loss of USD160,246 during the financial year ended 31 March 2015 and, as of that date, the Company's total liabilities exceeded its total assets by USD213,413. These conditions indicate the existence of a material uncertainty that may cast significant doubt about the Company's ability to continue as a going concern. The ability of the Company to continue on a going concern depends on the immediate and ultimate holding corporation undertaking to provide continuing financial support.

If the Company is unable to continue in operational existence for the foreseeable future, the Company may be unable to realise its assets and discharge its liabilities in the normal course of business and adjustments may have to made to reflect the situation that assets may need to be realised other than in the normal course of business and at amounts which could differ significantly from the amounts at which they are currently recorded in the balance sheet. In addition, the Company may have to reclassify non-current assets and liabilities as current assets and liabilities. No such adjustments have been made to these financial statements. In forming our opinion, we have considered the adequacy of the disclosures of the above matter in the financial statements. Our opinion is not qualified in respect of this matter.

Report on Other Legal and Regulatory Requirements

In our opinion, the accounting and other records required by the Act to be kept by the Company have been properly kept in accordance with the provisions of the Act.

LCC PARTNERSHIP
Public Accountants and
Chartered Accountants
Singapore,
3 0 SEP 2015

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF COMPREHENSIVE INCOME

For the financial year ended 31 March 2015

	Note	**Year ended 31.3.2015 USD**	Period from 18.6.2013 to 31.3.2014 USD
Other gains	3	-	27
Expenses			
- Professional fees		**(94,967)**	(26,024)
- Travelling and transportation		**(45,402)**	(22,666)
- Printing and stationery		**(4,025)**	-
- Finance	4	**(3,825)**	(89)
- Other		**(12,027)**	(4,416)
Total expenses		**160,246**	(53,195)
Loss before income tax		**(160,246)**	(53,168)
Income tax expense	5	-	-
Loss after tax		**(160,246)**	(53,168)
Other comprehensive income		-	-
Total comprehensive income		**(160,246)**	(53,168)

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

BALANCE SHEET
As at 31 March 2015

	Note	2015 USD	2014 USD
ASSETS			
Current assets			
Cash and bank deposits	6	**845,455**	48,236
Total assets		**845,455**	48,236
LIABILITIES			
Current liabilities			
Other payables	7	**58,868**	101,403
Non-current liabilities			
Other payables	8	**1,000,000**	-
Total liabilities		**1,058,868**	101,403
NET LIABILITIES		**(213,413)**	(53,167)
EQUITY			
Share capital	9	**1**	1
Accumulated losses		**(213,414)**	(53,168)
Total equity		**(213,413)**	(53,167)

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF CHANGES IN EQUITY
For the financial year ended 31 March 2015

	Share capital USD	Accumulated losses USD	Total equity USD
2015			
Beginning of financial year	1	(53,168)	(53,167)
Loss for the year	-	(160,246)	(160,246)
Other comprehensive income for the year	-	-	-
Total comprehensive income	-	(160,246)	(160,246)
End of financial year	**1**	**(213,414)**	**(213,413)**
2014			
At date of incorporation	1	-	1
Loss for the period	-	(53,168)	(53,168)
Other comprehensive income for the period	-	-	-
Total comprehensive income	-	(53,168)	(53,168)
End of financial period	**1**	**(53,168)**	**(53,167)**

The accompanying notes form an integral part of these financial statements.

AVAKAHYASI INVESTMENTS PTE. LTD.

STATEMENT OF CASH FLOWS

For the financial year ended 31 March 2015

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Cash flows from operating activities		
Loss after tax	**(160,246)**	(53,168)
Adjustments for:		
- Interest expense	**3,825**	89
	(156,421)	(53,079)
Change in working capital		
- Other payables	**3,640**	41,314
Net cash used in by operating activities	**(152,781)**	(11,765)
Cash flows from financing activities		
Other payables	**950,000**	60,000
Proceeds from issuance of ordinary shares	**-**	1
Net cash provided by financing activities	**950,000**	60,001
Net increase in cash and cash equivalents	**797,219**	48,236
Cash and cash equivalents at beginning of financial year/period	**48,236**	-
Cash and cash equivalents at end of financial year/period	**845,455**	48,236

These notes form an integral part of and should be read in conjunction with the accompanying financial statements.

1. General information

The Company is incorporated and domiciled in Singapore. The address of its registered office is 29 Stanley Street, #02-01 Singapore 068738.

The principal activities of the Company are those of investment holding companies and activities of head and regional head offices.

2. Significant accounting policies

2.1 Basis of preparation

The financial statements have been prepared in accordance with Singapore Financial Reporting Standards ("FRS") under the historical cost convention, except as disclosed in the accounting policies below:

The preparation of these financial statements in conformity with FRS requires management to exercise its judgement in the process of applying the Company's accounting policies. It also requires the use of certain critical accounting estimates and assumptions.

Interpretations and amendments to published standards effective in 2014

On 1 April 2014, the Company adopted the new or amended FRS and Interpretations to FRS ("INT FRS") that are mandatory for application for the financial year. Changes to the Company's accounting policies have been made as required, in accordance with the transitional provisions in the respective FRS and INT FRS.

The adoption of these new or amended FRS and INT FRS did not result in substantial changes to the Company's accounting policies and had no material effect on the amounts reported for the current or prior financial period.

2. Significant accounting policies (continued)

2.2 Going concern

The Company incurred a net loss of USD160,246 during the financial year ended 31 March 2015, as that date, the Company's total liabilities exceeded its total assets by USD213,413. These conditions indicate the existence of a material uncertainty that may cast significant doubt about the Company's ability to continue as a going concern. The ability of the Company to continue on a going concern depends on the immediate and ultimate holding corporation undertaking to provide continuing financial support.

If the Company is unable to continue in operational existence for the foreseeable future, the Company may be unable to realise its assets and discharge its liabilities in the normal course of business and adjustments may have to made to reflect the situation that assets may need to be realised other than in the normal course of business and at amounts which could differ significantly from the amounts at which they are currently recorded in the balance sheet. In addition, the Company may have to reclassify non-current assets and liabilities as current assets and liabilities. No such adjustments have been made to these financial statements.

2.3 Revenue recognition

Sales comprise the fair value of the consideration received or receivable for the rendering of services in the ordinary course of the Company's activities.

Revenue from rendering of services is recognised when the services are rendered, using the percentage of completion method based on the actual service provided as a proportion of the total services to be performed and the collectability of the related receivables is reasonably assured. Sales are presented net of goods and services tax, rebates and discounts.

2.4 Borrowing costs

Borrowing costs are recognised in profit or loss using the effective interest method.

2. Significant accounting policies (continued)

2.5 Income taxes

Current income tax is recognised at the amount expected to be paid to or recovered from the tax authorities, using the tax rates and tax laws that have been enacted or substantively enacted by the balance sheet date.

Deferred income tax is recognised for all temporary differences except when the deferred income tax arises from the initial recognition of an asset or liability that affects neither accounting nor taxable profit or loss at the time of the transaction.

Current and deferred income tax is measured using the tax rates and tax laws that have been enacted or substantively enacted by the balance sheet date, and are recognised as income or expenses in profit or loss, except to the extent that the tax arises from a transaction which is recognised directly in equity.

The Company accounts for investment tax credits (for example, productivity and innovative credit) similar to accounting for other tax credits where deferred tax asset is recognised for unused tax credits to the extent that it is probable that future taxable profit will be available against which the unused tax credit can be utilised.

2.6 Loans and receivables
Bank balances
Trade and other receivables

Bank balances and trade and other receivables are initially recognised at their fair values plus transaction costs and subsequently carried at amortised cost using the effective interest method, less accumulated impairment losses.

The Company assesses at each balance sheet date whether there is objective evidence that these financial assets are impaired and recognises an allowance for impairment when such evidence exists. Significant financial difficulties of the debtor, probability that the debtor will enter bankruptcy and default or significant delay in payments are objective evidence that these financial assets are impaired.

The carrying amount of these assets is reduced through the use of an impairment allowance account which is calculated as the difference between the carrying amount and the present value of estimated future cash flows, discounted at the original effective interest rate.

These assets are presented as current assets except for those that are expected to be realised later than 12 months after the balance sheet which are presented as non-current assets.

2. Significant accounting policies (continued)

2.7 Trade and other payables

Trade and other payables represent liabilities for goods and services provided to the Company prior to the end of financial year which are unpaid. They are classified as current liabilities if payment is due within one year or less (or in the normal operating cycle of the business, if longer). If not, they are presented as non-current liabilities.

Trade and other payables are initially recognised at fair value, and subsequently carried at amortised cost using the effective interest method.

2.8 Offsetting financial instruments

Financial assets and liabilities are offset and the net amount reported in the balance sheet when there is a legally enforceable right to offset and there is an intention to settle on a net basis or realise the assets and settle the liability simultaneously.

2.9 Fair value estimation of financial assets and liabilities

The carrying amounts of current financial assets and liabilities carried at amortised cost approximate their fair values.

2.10 Cash and cash equivalents

For the purpose of presentation in the statement cash flows, cash and cash equivalents include cash on hand, deposits with financial institutions which are subject to an insignificant risk of change in value.

2.11 Dividends

Dividends to the Company's shareholders are recognised when the dividends are approved for payment.

2. Significant accounting policies (continued)

2.12 Currency translation

The financial statements are presented in United States Dollar ('USD'), which is the functional currency of the Company.

Transactions in a currency other than United States Dollar ("foreign currency") are translated into United States Dollar using the exchange rates at the dates of the transactions. Currency translation differences resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in foreign currencies at the closing rates at the balance sheet date are recognised in profit or loss. Non-monetary items measured at fair values in foreign currencies are translated using the exchange rates at the date when the fair values are determined. Currency translation differences on these items are included in the fair value reserve.

Foreign exchange gains and losses that relate to borrowings are presented within 'finance cost'. All other foreign exchange gains and losses impacting profit or loss are presented within 'other gains/losses'.

2.13 Share capital

Ordinary shares are classified as equity. Incremental costs directly attributable to the issuance of new ordinary shares are deducted against the share capital account.

2.14 Related parties

Parties are considered to be related if one party has the ability to control the other party or exercise significant influence over the other party in making financial and operating decisions.

3. Other gains

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Net currency translation gains	-	27

4. Finance expenses

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Interest expense		
– amount due to immediate and ultimate holding corporation	3,825	89

5. Income tax

Income tax expense

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Tax expense attributable to loss is made up of:		
- Current income tax	-	-

The tax expense on loss before tax differs from the theoretical amount that would arise using the Singapore standard rate of income tax as follows:

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Loss before tax	(160,246)	(53,168)
Tax calculated at a tax rate of 17% (2014: 17%)	(27,242)	(9,038)
Effects of:		
- Income not subject to tax	-	(5)
- Expenses not deductible for tax purposes	27,242	9,043
Tax charge	-	-

6. Cash and bank deposits

	2015 USD	2014 USD
Cash at bank and on hand	**845,455**	48,236

7. Other payables

	2015 USD	2014 USD
Amount due to immediate and ultimate holding corporation (#)	**13,914**	60,000
Other accruals for operating expenses	**44,954**	41,403
	58,868	101,403

(#) The amount due to immediate and ultimate holding corporation of Nil (2014: USD50,000) is subject to a fixed interest rate of Nil (2014: 1%) per annum and the remaining is interest free. The amount due to immediate and ultimate holding corporation is non-trade, unsecured, repayable upon demand and to be settled in cash.

8. Other payables – non-current

	2015 USD	2014 USD
Amount due to immediate and ultimate holding corporation (*)	**1,000,000**	-
	1,000,000	-

(*) Amount due to immediate and immediate holding corporation is non-trade, unsecured and bore an interest rate at 1% (2014: Nil) per annum, repayable upon demand and be settled in cash.

9. Share capital

The Company's share capital comprises fully paid-up 1 (2014: 1) ordinary share with no par value, amounting to a total of USD1 (2014: USD1).

10. Financial risk management

Financial risk factors

The Company's overall risk management is determined and carried out by directors at their discretion and in the best interest of the Company. The information presented below is based on information received by key management.

(a) Market risk

(i) Currency risk

The Company's business operations are not exposed to significant foreign currency risks as it has no significant transactions denominated in foreign currencies.

(ii) Price risk

The Company has insignificant exposure to equity price risk.

(iii) Interest rate risk

The Company has insignificant financial assets that are exposed to interest rate risks.

The Company's interest rate risk mainly arises from amount due to immediate and ultimate holding corporation, which is a fixed-rate borrowing.

(b) Credit risk

The Company monitors its exposure to credit risk on an ongoing basis.

The maximum exposure to credit risk is the carrying amount of bank deposits presented on the balance sheet.

There are no trade receivables at balance sheet date.

(i) Financial assets that are neither past due nor impaired

Bank deposits that are neither past due nor impaired are mainly deposits with banks which have high credit-ratings as determined by international credit-rating agencies.

(ii) Financial assets that are past due and/or impaired

There is no other class of financial assets that is past due and/or impaired.

10. Financial risk management (continued)

(c) Liquidity risk

The Company adopts prudent liquidity risk management by maintaining cash sufficient to enable it to meet its operational requirements.

The table below analyses the Company's non-derivative financial liabilities into relevant maturity groupings based on the remaining period from the balance sheet date to the contractual maturity date. The amounts disclosed in the table are the contractual undiscounted cash flows.

	Less than 1 year	Between 1 and 2 years
At 31 March 2015		
Other payables	58,868	1,000,000
At 31 March 2014		
Other payables	101,403	-

(d) Capital risk

The Company's objectives when managing capital are to ensure that the Company is adequately capitalised and to maintain an optimal capital structure by issuing or redeeming additional equity and debt instruments when necessary.

The Board of director monitors its capital based on net debt and total capital. Net debt is calculated as other payables less cash and bank deposits. Total capital is calculated as equity plus net debt.

	2015 USD	2014 USD
Net debt	**213,413**	53,167
Total equity	**(213,413)**	(53,167)
Total capital	**-**	-

The Company is not subject to any externally imposed capital requirements.

11. Comparatives

The financial statements for the current financial year cover the 12 months ended 31 March 2015. The financial statements for the previous financial period cover the 9 months ended 31 March 2014 due to the fact that this was the first set of financial statements since the date of incorporation. As such, the statement of comprehensive income, statement of changes in equity, statement of cash flows and the related notes for the current financial year and previous financial period are not comparable.

12. Immediate and ultimate holding corporation

The Company's immediate and ultimate holding corporation is Cathay Petroleum International Limited, incorporated in Hong Kong.

13. Related party transactions

In addition to the information disclosed elsewhere in the financial statements, the following transactions took place between the Company and related parties at terms agreed between the parties:

	Year ended 31.3.2015 USD	Period from 18.6.2013 to 31.3.2014 USD
Interest expense charged by immediate and ultimate holding corporation	**3,825**	89
Advances from immediate and ultimate holding corporation	**950,000**	60,000

Balances with related parties at the balance sheet date are unsecured and payable within 12 months from balance sheet date and are disclosed in Note 7 and 8.

14. New or revised accounting Standards and Interpretations

The Company has not early adopted any mandatory standards, amendments and interpretations to existing standards that have been published but are only effective for Company's accounting periods beginning after 1 April 2014. However, management anticipates that the adoption of these standards, amendments and interpretations will not have a material impact on the financial statements of the Company in the period of their initial adoption.

15. Authorisation of financial statements

These financial statements were authorised for issue in accordance with a resolution of the Board of Directors of AVAKAHYASI INVESTMENTS PTE. LTD. on 30 SEP 2015

CATHAY PETROLEUM INTERNATIONAL LIMITED

(龍華石油國際有限公司)

(incorporated in Hong Kong with limited liability)

Director's Report and Financial Statements For the year ended 31 March 2013

BDO

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DIRECTOR'S REPORT

The director presents his annual report together with the audited financial statements for the year ended 31 March 2013.

PRINCIPAL ACTIVITY

The principal activity of the Company continues to be trading of energy products.

RESULTS AND APPROPRIATIONS

The results of the Company for the year ended 31 March 2013 and the state of the Company's affairs as at that date are set out in the financial statements on pages 5 to 22.

The directors do not recommend the payment of any dividend in respect of the year ended 31 March 2013.

FIXED ASSETS

Details of movements in fixed assets of the Company are set out in note 9 to the financial statements.

DIRECTOR

Mr WEI CHEN Jason is the sole director during the year and up to the date of this report.

In accordance with article 110 of the Company's articles of association, Mr WEI CHEN Jason retires, and being eligible, offers himself for re-election for the forthcoming year.

DIRECTOR'S INTEREST IN CONTRACTS

No contracts of significance in relation to the Company's business to which the Company or its holding company was a party and in which the director of the Company had a material interest, whether directly or indirectly, subsisted at the end of the year or at any time, during the year.

ARRANGEMENTS TO PURCHASE SHARES OR DEBENTURES

At no time during the year was the Company or its holding company a party to any arrangements to enable the director of the Company to acquire benefits by means of the acquisition of shares in, or debentures of, the Company or any other body corporate.

MANAGEMENT CONTRACT

The Company has an agreement with Green Energy Holdings Limited under which Green Energy Holdings Limited provides management services to the Company in return for a fixed fee of US$15,000 per month. This agreement will remain effective until it is expressly terminated.

AUDITOR

A resolution will be proposed at the forthcoming annual general meeting of the Company to re-appoint the auditor, BDO Limited.

Director

Hong Kong, 29 OCT 2013

BDO

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INDEPENDENT AUDITOR'S REPORT
TO THE SHAREHOLDERS OF CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)

(incorporated in Hong Kong with limited liability)

We have audited the financial statements of Cathay Petroleum International Limited set out on pages 5 to 22, which comprise the statement of financial position as at 31 March 2013, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

Director's responsibility for the financial statements

The director of the Company is responsible for the preparation of financial statements that give a true and fair view in accordance with Hong Kong Financial Reporting Standards ("HKFRSs") issued by the Hong Kong Institute of Certified Public Accountants ("HKICPA") and the Hong Kong Companies Ordinance, and for such internal control as the director determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. This report is made solely to you, as a body, in accordance with Section 141 of the Hong Kong Companies Ordinance, and for no other purpose. We do not assume responsibility towards or accept liability to any other person for the contents of this report.

We conducted our audit in accordance with Hong Kong Standards on Auditing issued by the HKICPA. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the director, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

BDO

INDEPENDENT AUDITOR'S REPORT
TO THE SHAREHOLDERS OF CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)

(incorporated in Hong Kong with limited liability)

Opinion

In our opinion, the financial statements give a true and fair view of the state of affairs of the Company as at 31 March 2013 and of its profit and cash flows for the year then ended in accordance with HKFRSs and have been properly prepared in accordance with the Hong Kong Companies Ordinance.

BDO

BDO Limited
Certified Public Accountants
Tam Kwok Yiu
Practising Certificate Number:P02575

Hong Kong, 29 OCT 2013

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
STATEMENT OF COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 MARCH 2013

	Note	2013 US$	2012 US$
Turnover	5	412,247,916	198,805,804
Cost of sales		(411,995,118)	(198,393,620)
Gross profit		252,798	412,184
Other gains and losses	6	874,969	1,518,857
Administrative expenses		(765,467)	(1,006,738)
Profit from operations		362,300	924,303
Finance costs		(165,768)	(4,104)
Profit before income tax expense	7	196,532	920,199
Income tax expense	8	(5,539)	-
Profit and total comprehensive income for the year		190,993	920,199

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
STATEMENT OF FINANCIAL POSITION
AS AT 31 MARCH 2013

	Note	2013 US$	2012 US$
ASSETS			
Non-current assets			
Property, plant and equipment	9	1,022,714	1,052,979
Current assets			
Deposits and prepayments		206,489	204,042
Amount due from holding company	14(b)	300,000	-
Amount due from a related company	14(c)	1,000,000	-
Tax recoverable		-	55,662
Derivative financial instruments	11	299,460	-
Deposit placed with a broker	12	4,689,886	3,869,736
Bank deposits - pledged	15(c)	2,016,514	2,010,485
Cash at banks		2,717,316	4,864,791
		11,229,665	11,004,716
LIABILITIES			
Current liabilities			
Accruals and other payables		23,491	21,223
Amount due to a related company	14(d)	1,423	-
		24,914	21,223
Net current assets		11,204,751	10,983,493
NET ASSETS		12,227,465	12,036,472
Equity			
Share capital	13	2,923,077	2,923,077
Retained earnings		9,304,388	9,113,395
TOTAL EQUITY		12,227,465	12,036,472

Director

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR ENDED 31 MARCH 2013

	Share capital US$	Retained earnings US$	Total US$
Balance at 1 April 2011	2,923,077	8,193,196	11,116,273
Profit and total comprehensive income for the year	-	920,199	920,199
Balance at 31 March 2012 and 1 April 2012	2,923,077	9,113,395	12,036,472
Profit and total comprehensive income for the year	-	190,993	190,993
Balance at 31 March 2013	2,923,077	9,304,388	12,227,465

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 MARCH 2013

	2013 US$	2012 US$
Operating activities		
Profit before income tax expense	196,532	920,199
Adjustments for:		
Depreciation	31,518	33,764
Interest income	(92,345)	(23,967)
Gain on disposal of available-for-sale investment	-	(1,000,000)
Operating profit/(loss) before working capital changes	135,705	(70,004)
Decrease in trade and bill receivables	-	231,070,238
Increase in deposits and prepayments	(2,447)	(201,953)
(Increase)/decrease in derivative financial instruments	(299,460)	11,000
Increase in deposit placed to broker	(820,150)	(904,370)
(Increase)/decrease in amount due from holding company	(300,000)	1,700,000
Increase in amount due from related companies	(998,577)	-
Decrease in trade and bills payables	-	(231,051,214)
Increase in accruals and other payables	2,268	783
Cash (used in)/generated from operating activities	(2,282,661)	554,480
Income tax refund	55,662	-
Income tax paid	(5,539)	-
Net cash (used in)/generated from operating activities	(2,232,538)	554,480
Investing activities		
Payments to acquire property, plant and equipment	(1,253)	(1,404)
Proceeds on disposal of available-for-sales investment	-	1,000,000
Interest received	92,345	23,967
Net cash generated from investing activities	91,092	1,022,563
Financing activities		
Increase in pledged deposits	(6,029)	(5,849)
Net cash used in financing activities	(6,029)	(5,849)
Net (decrease)/increase in cash and cash equivalents	(2,147,475)	1,571,194
Cash and cash equivalents beginning of year	4,864,791	3,293,597
Cash and cash equivalents at end of year	2,717,316	4,864,791

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
NOTES TO THE FINANCIAL STATEMENTS
31 MARCH 2013

1. GENERAL

The Company is a private company incorporated in Hong Kong with limited liability. The address of its registered office and principal place of business is Unit 903, 9/F China Merchants Tower, Shun Tak Centre, 168-200 Connaught Road Central, Hong Kong.

The principal activity of the Company continues to be trading of energy products.

The Company's parent is Cathay Petroleum Holdings Limited (incorporated in the British Virgin Islands) which the director considers as the ultimate parent.

2. ADOPTION OF HONG KONG FINANCIAL REPORTING STANDARDS ("HKFRSs")

(a) Adoption of amendments to HKFRSs - Effective 1 April 2012

Amendments to HKFRS 7	Disclosures - Transfers of Financial Assets

The adoption of th is amendment has no significant impact on the Company's financial statements

(b) New/revised HKFRSs that have been issued but are not yet effective

The following new/revised HKFRSs, potentially relevant to the Company's financial statements, have been issued, but are not yet effective and have not been early adopted by the Company.

HKFRSs (Amendments)	Annual Improvements 2009-2011 Cycle[2]
Amendments to HKAS 1 (Revised)	Presentation of item of other comprehensive Income[1]
Amendments to HKAS 32	Offsetting Financial Assets and Financial Liabilities[3]
Amendments to HKFRS 7	Offsetting Financial Assets and Financial Liabilities[2]
HKFRS 9	Financial Instruments[4]
HKFRS 11	Joint Arrangements[2]
HKFRS 13	Fair Value Measurement[2]

[1]Effective for annual periods beginning on or after 1 July 2012
[2]Effective for annual periods beginning on or after 1 January 2013
[3]Effective for annual periods beginning on or after 1 January 2014
[4]Effective for annual periods beginning on or after 1 January 2015

The Company is in the process of making an assessment of the potential impact of these new or revised HKFRSs and the director so far concluded that the application of the other new or revised HKFRSs will have no material impact on the results and the financial position of the Company.

3. BASIS OF PREPARATION

(a) Statement of compliance

The financial statements have been prepared in accordance with all applicable Hong Kong Financial Reporting Standards, Hong Kong Accounting Standards and Interpretations (hereinafter collectively referred to as the "HKFRSs") and the Hong Kong Companies Ordinance.

(b) Basis of measurement

The financial statements have been prepared under the historical cost basis.

(c) Functional and presentation currency

The financial statements are presented in United States dollars ("US$"), which is same as the functional currency of the Company.

4. SIGNIFICANT ACCOUNTING POLICIES

(a) Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses.

The cost of property, plant and equipment includes its purchase price and the costs directly attributable to the acquisition of the items.

Subsequent costs are included in the asset's carrying amount or recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the Company and the cost of the item can be measured reliably. The carrying amount of the replaced part is derecognised. All other repairs and maintenance are recognised as an expense in profit or loss during the financial period in which they are incurred.

Property, plant and equipment are depreciated so as to write off their cost or valuation net of expected residual value over their estimated useful lives on a straight-line basis. The useful lives, residual value and depreciation method are reviewed, and adjusted if appropriate, at the end of each reporting period. The principal annual rates are as follows:

Land and buildings	2%
Furniture and fixtures	33.3%
Office equipment	33.3%

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(a) Property, plant and equipment - Continued

An asset is written down immediately to its recoverable amount if its carrying amount is higher than the asset's estimated recoverable amount.

The gain or loss on disposal of an item of property, plant and equipment is the difference between the net sale proceeds and its carrying amount, and is recognised in profit or loss on disposal.

(b) Joint venture

A joint venture is a contractual arrangement whereby the Company and other parties undertake an economic activity which is subject to joint control and none of the participating parties has unilateral control over the economic activity.

The Company's share of jointly controlled assets and any liabilities incurred jointly with other venturers are recognised in the financial statements and classified according to the nature of the relevant item. Liabilities and expenses which the Company has incurred in respect of its interest in the jointly controlled assets are accounted for on an accrual basis. Income from the sale or use of its share of the output of the jointly controlled assets together with its share of any relating expenses is recognised when it is probable that the economic benefits associated with the transaction will flow to/from the Company.

(c) Exploration and evaluation assets

Exploration and evaluation assets comprise costs which are directly attributable to: researching and analysing existing exploration data; conducting geological studies; exploratory drilling and sampling; examining and testing extraction and treatment methods; and compiling pre-feasibility and feasibility studies. Exploration and evaluation assets also include the costs incurred in acquiring mining rights, the entry premiums paid to gain access to areas of interest and amounts payable to third parties to acquire interests in existing projects.

During the initial stage of a project, exploration and evaluation costs are expensed as incurred. Expenditure on a project after it has reached a stage at which there is a high degree of confidence in its viability is capitalised as exploration and evaluation assets and not amortised, and transferred to mining rights if the project proceeds. If a project does not prove viable, all irrecoverable costs associated with the project are expensed in the statement of comprehensive income. Exploration and evaluation assets are stated at cost less impairment losses, if any.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(d) Financial instruments

(i) Financial assets

The Company classifies its financial assets at initial recognition, depending on the purpose for which the asset was acquired. Financial assets at fair value through profit or loss are initially measured at fair value and all other financial assets are initially measured at fair value plus transaction costs that are directly attributable to the acquisition of the financial assets. Regular way purchases or sales of financial assets are recognised and derecognised on a trade date basis. A regular way purchase or sale is a purchase or sale of a financial asset under a contract whose terms require delivery of the asset within the time frame established generally by regulation or convention in the marketplace concerned.

Financial assets at fair value through profit or loss

Financial assets are classified as at fair value through profit or loss where the financial asset is either held for trading or it is designated as at fair value through profit or loss. Financial assets at fair value through profit or loss are stated at fair value, with any resultant gain or loss recognised in profit or loss. The net gain or loss recognised in profit or loss incorporates any dividend or interest earned on the financial assets.

Available-for-sale financial assets

These assets are non-derivative financial assets that are designated as available for sale or are not included in other categories of financial assets. Subsequent to initial recognition, these assets are carried at fair value with changes in fair value recognised in other comprehensive income, except for impairment losses and foreign exchange gains and losses on monetary instruments, which are recognised in profit or loss.

For available-for-sale equity investments that do not have a quoted market price in an active market and whose fair value cannot be reliably measured and derivatives that are linked to and must be settled by delivery of such unquoted equity instruments, they are measured at cost less any identified impairment losses.

Loans and receivables

These assets are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market. They arise principally through the provision of goods to customers (trade debtors), and also incorporate other types of contractual monetary assets. Subsequent to initial recognition, they are carried at amortised cost using the effective interest method, less any identified impairment losses.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(d) Financial instruments - Continued

(ii) Impairment loss on financial assets

The Company assesses, at the end of each reporting period, whether there is any objective evidence that a financial asset is impaired. A financial asset is impaired if there is objective evidence of impairment as a result of one or more events that has occurred after the initial recognition of the asset and that event has an impact on the estimated future cash flows of the financial asset that can be reliably estimated. Evidence of impairment may include:

- significant financial difficulty of the debtor;
- a breach of contract, such as a default or delinquency in interest or principal payments;
- granting concession to a debtor because of the debtor's financial difficulty; or
- it becoming probable that the debtor will enter bankruptcy or other financial reorganisation.

For available-for-sale financial assets

Where a decline in the fair value constitutes objective evidence of impairment, the amount of the loss is removed from equity and recognised in profit or loss.

For available-for-sale equity investment, any increase in fair value subsequent to an impairment loss is recognised in other comprehensive income.

For available-for-sale equity investment that is carried at cost, the amount of impairment loss is measured as the difference between the carrying amount of the asset and the present value of estimated future cash flows discounted at the current market rate of return for a similar financial asset. Such impairment loss shall not be reversed.

For loans and receivables

An impairment loss is recognised in profit or loss when there is objective evidence that a financial asset is impaired, and is measured as the difference between the asset's carrying amount and the present value of the estimated future cash flows discounted at the original effective interest rate. The carrying amount of a financial asset is reduced through the use of an allowance account. When any part of a financial asset is determined as uncollectible, it is written off against the allowance account for the relevant financial asset.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(d) Financial instruments - Continued

(iii) Financial liabilities

The Company classifies its financial liabilities as financial liabilities at amortised cost, which includes trade and other payables and are initially recognised at fair value, net of directly attributable transaction costs incurred and are subsequently measured at amortised cost, using the effective interest method. The related interest expense is recognised in profit or loss.

Gains or losses are recognised in profit or loss when the liabilities are derecognised as well as through the amortisation process.

(iv) Effective interest method

The effective interest method is a method of calculating the amortised cost of a financial asset or financial liability and of allocating interest income or interest expense over the relevant period. The effective interest rate is the rate that exactly discounts estimated future cash receipts or payments through the expected life of the financial asset or liability, or where appropriate, a shorter period.

(v) Equity instruments

Equity instruments issued by the Company are recorded at the proceeds received, net of direct issue costs.

(vi) Derecognition

The Company derecognises a financial asset when the contractual rights to the future cash flows in relation to the financial asset expire or when the financial asset has been transferred and the transfer meets the criteria for derecognition in accordance with HKAS 39 Financial Instruments: Recognition and Measurement.

Financial liabilities are derecognised when the obligation specified in the relevant contract is discharged, cancelled or expires.

(e) Income taxes

Income taxes for the year comprise current tax and deferred tax.

Current tax is based on the profit or loss from ordinary activities adjusted for items that are non-assessable or disallowable for income tax purposes and is calculated using tax rates that have been enacted or substantively enacted at the end of the reporting period.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(e) Income taxes - Continued

Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the corresponding amounts used for tax purposes. Except for goodwill and recognised assets and liabilities that affect neither accounting nor taxable profits, deferred tax liabilities are recognised for all temporary differences. Deferred tax assets are recognised to the extent that it is probable that taxable profits will be available against which deductible temporary differences can be utilised. Deferred tax is measured at the tax rates expected to apply in the period when the liability is settled or the asset is realised based on tax rates that have been enacted or substantively enacted at the end of the reporting period.

Income taxes are recognised in profit or loss except when they relate to items recognised in other comprehensive income in which case the taxes are also recognised in other comprehensive income.

(f) Foreign currency

Transactions entered into by the Company in currencies other than the currency of the primary economic environment in which it operates (the "functional currency") are recorded at the rates ruling when the transactions occur. Foreign currency monetary assets and liabilities are translated at the rates ruling at the end of reporting period. Non-monetary items that are measured in terms of historical cost in a foreign currency are not retranslated.

Exchange differences arising on the settlement of monetary items, and on the translation of monetary items, are recognised in profit or loss in the period in which they arise.

(g) Provisions and contingent liabilities

Provisions are recognised for liabilities of uncertain timing or amount when the Company has a legal or constructive obligation arising as a result of a past event, which will probably result in an outflow of economic benefits that can be reasonably estimated.

Where it is not probable that an outflow of economic benefits will be required, or the amount cannot be estimated reliably, the obligation is disclosed as a contingent liability, unless the probability of outflow of economic benefits is remote. Possible obligations, the existence of which will only be confirmed by the occurrence or non-occurrence of one or more future events, are also disclosed as contingent liabilities unless the probability of outflow of economic benefits is remote.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(h) Revenue recognition

Revenue from sales of energy products is recognised on transfer of risks and rewards of ownership, which is at the time of delivery and the title is passed to customer.

Interest income is accrued on a time basis on the principal outstanding at the applicable interest rate.

(i) Related Parties

(a) A person or a close member of that person's family is related to the Company if that person:

(i) has control or joint control over the Company
(ii) has significant influence over the Company; or
(iii) is a member of key management personnel of the Company or the Company's parent.

(b) Any entity is related to the Company if any of the following conditions apply:

(i) The entity and the Company are members of the same group.
(ii) One entity is an associate or joint venture of the other entity (or an associate or joint venture of a member of a group of which the other entity is a member).
(iii) Both entities are joint ventures of the same third party.
(iv) One entity is a joint venture of a third entity and the other entity is an associate of the third entity.
(v) The entity is a post-employment benefit plan for the benefit of the employees of the Company or an entity related to the Company.
(vi) The entity is controlled or jointly controlled by a person identified in (a).
(vii) A person identified in (a)(i) has significant influence over the entity or is a member of key management personnel of the entity (or of a parent of the entity).

Close members of the family of a person are those family members who may be expected to influence, or be influenced by, that person in their dealings with the entity and include:

(i) that person's children and spouse or domestic partner;
(ii) children of that person's spouse or domestic partner; and
(iii) dependents of that person or that person's spouse or domestic partner.

5. TURNOVER

Turnover represents the net invoiced value of goods sold.

6. OTHER GAINS AND LOSSES

	2013 US$	2012 US$
Gain on disposal of available-for-sale investment	-	1,000,000
Net gain on derivative financial instruments	782,624	494,890
Interest income	92,345	23,967
	874,969	1,518,857

7. PROFIT BEFORE INCOME TAX EXPENSE

Profit before income tax expense is arrived at after charging:

	2013 US$	2012 US$
Director's remuneration	-	-
Depreciation	31,518	33,764
Net exchange losses	13	2,311
Auditor's remuneration	21,000	17,208
Exploration and evaluation costs	388,487	637,852

8. INCOME TAX EXPENSE

(a) The amount of income tax expense in the statement of comprehensive income represents:

	2013 US$	2012 US$
Provision for the year	-	-
Under-provision in respect of prior year	5,539	-
Income tax expense	5,539	-

Provision for Hong Kong profits tax is calculated at 16.5% on the estimated assessable profits. No provision for Hong Kong Profits tax has been made in the financial statements as the Company has no assessable profit for the year.

8. INCOME TAX EXPENSE - Continued

(b) The income tax expense for the year can be reconciled to the profit per the statement of comprehensive income as follows:

	2013 US$	2012 US$
Profit before income tax expense	196,532	920,199
Tax calculated at Hong Kong profits tax rate of 16.5% (2012: 16.5%)	32,428	151,833
Tax effect of expenses not deductible for taxation purposes	126,302	166,112
Tax effect of non-taxable offshore operations	(14,360)	(67,333)
Tax effect of non-taxable items	(144,370)	(250,612)
Under-provision for prior year	5,539	-
Income tax expense	5,539	-

(c) The Company had no significant deferred tax assets or liabilities at the end of the reporting period.

9. PROPERTY, PLANT AND EQUIPMENT

	Land and buildings US$	Furniture and fixtures US$	Office equipment US$	Total US$
Cost				
At 31 March 2011	1,156,280	38,190	46,746	1,241,216
Additions	-	-	1,404	1,404
At 31 March 2012	1,156,280	38,190	48,150	1,242,620
Additions	-	-	1,253	1,253
At 31 March 2013	1,156,280	38,190	49,403	1,243,873
Accumulated depreciation				
At 31 March 2011	87,567	32,891	35,419	155,877
Charge for the year	23,882	2,649	7,233	33,764
At 31 March 2012	111,449	35,540	42,652	189,641
Charge for the year	23,882	2,650	4,986	31,518
At 31 March 2013	135,331	38,190	47,638	221,159
Carrying amount				
At 31 March 2013	1,020,949	-	1,765	1,022,714
At 31 March 2012	1,044,831	2,650	5,498	1,052,979

The leasehold land and buildings are situated in Hong Kong, and held under a long term lease.

10. INTERESTS IN JOINTLY CONTROLLED ASSET

During the year ended 31 March 2010, the Company incurred US$1,000,000 to acquire 10% interest in a jointly controlled asset being the exploration rights to explore and evaluate mineral resources in a specified location in Western Australia. The cost of US$1,000,000 was expensed in 2010. The joint venture operating partner holds the remaining 90% interest in the exploration rights.

In the opinion of the director, the above exploration rights have not reached a stage at which there is a high degree of confidence in its viability at 31 March 2013 and thus the Company's share of expenses amounting to US$388,487 (2012: US$637,852) relating to the jointly controlled asset was recognised as exploration and evaluation costs in the statement of comprehensive income.

11. DERIVATIVE FINANCIAL INSTRUMENTS

	2013 US$	2012 US$
Assets		
- Crude oil futures contracts	299,460	-

The above derivatives were measured based on the quoted market prices.

12. DEPOSIT PLACED WITH A BROKER

The amount represented margins deposit placed with a broker for trading derivatives. The amount did not carry any interest.

13. SHARE CAPITAL

	2013 US$	2012 US$
Authorised, issued and fully paid		
22,800,000 ordinary shares of HK$1 each	2,923,077	2,923,077

14. RELATED PARTY TRANSACTIONS

(a) During the year and in the ordinary course of business, the Company had the following transactions with related parties:

	2013 US$	2012 US$
Agency fees paid to		
Cathay Petroleum International Limited* (incorporated in Macau)	36,000	36,000
Disposal of available-for-sale investment to		
Cathay Petroleum Holdings Limited	-	1,000,000
Loan provided to		
Cathay Petroleum Holdings Limited	300,000	-
Ocean Energy Investment Limited*	1,000,000	-

* related companies under common control

(b) The amount due from holding company is unsecured, interest-free and has no fixed repayment terms.

(c) The amount due from Ocean Energy Investment Limited is unsecured, carries fixed interest rate at 3% p.a. and has no fixed repayment terms.

(d) The amount due to a related company is unsecured, interest-free and has no fixed repayment terms.

(e) The director is the only key management personnel who received no remuneration during the current and prior years.

15. BANKING FACILITIES

Banking facilities amounting to US$70,000,000 (2012: US$120,000,000) available to the Company are secured by the following:

(a) Joint and several guarantee executed by Mr WEI CHEN Jason and a related party to the extent of US$70,000,000 (2012: US$120,000,000);

(b) Personal guarantee from Mr WEI CHEN Jason;

(c) Pledge of the Company's fixed deposits in the amount of US$2,016,514 as at 31 March 2013 (2012: US$2,010,485).

The banking facilities were not utilised at 31 March 2012 and 2013.

16. CAPITAL RISK MANAGEMENT

The Company's objective of managing capital is to safeguard the Company's ability to continue as a going concern in order to provide returns for shareholders and benefits for other stakeholders and to maintain an optimal capital structure to reduce cost of capital.

In order to maintain or adjust the capital structure, the Company may adjust the amount of dividends paid to shareholders, return capital to shareholders, issue new shares or sell assets to reduce debts.

The capital structure of the Company consists of equity attributable to owners of the Company only, comprising share capital and retained earnings.

17. FINANCIAL RISK MANAGEMENT

The main risks arising from the Company's financial instruments in the normal course of the Company's business are credit risk and liquidity risk. These risks are limited by the Company's financial management policies and practices described below.

(a) Credit risk

The Company's principal financial assets are cash at banks.

The Company's bank balances are principally placed with reputable banks in Hong Kong, Macau and Singapore.

(b) Liquidity risk

The Company's policy is to regularly monitor its current and expected liquidity requirements to ensure that it maintains sufficient reserves of cash to meet its liquidity requirements in the short and longer term.

All the Company's financial liabilities at the end of reporting period are due within one year or on demand.

18. SUMMARY OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES BY CATEGORY

The carrying amounts and fair values financial assets and financial liabilities were categorised as follows:

	2013 US$	2012 US$
Financial assets		
Loans and receivables	10,724,395	10,745,819
Financial assets at fair value through profit or loss	299,460	-
Financial liabilities		
Financial liabilities measured at amortised cost	24,914	21,333

18. SUMMARY OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES BY CATEGORY - Continued

The carrying amount of financial assets and financial liabilities approximates the fair values.

The fair value of financial assets at fair value through profit or loss are determined with reference to quoted market prices.

19. COMPARATIVE FIGURES

Certain comparative figures have been reclassified in order to conform with current year's presentation.

20. APPROVAL OF FINANCIAL STATEMENTS

The financial statements were approved and authorised for issue by the sole director on

29 OCT 2013

(For Management Purposes Only)

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DETAILED STATEMENT OF COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 MARCH 2013

	2013 US$	2012 US$
Turnover		
Sale of goods	412,247,916	198,805,804
Cost of sales		
Purchases	411,994,418	198,393,620
Inspection fees	700	-
	411,995,118	198,393,620
Gross profit	252,798	412,184
Other gains and losses		
Realised fair value gain on derivative financial instruments	483,164	494,890
Unrealised fair value gain on derivative financial instruments	299,460	-
Gain on disposal of available-for-sale investment	-	1,000,000
Interest income	92,345	23,967
	874,969	1,518,857
Administrative expenses	(765,467)	(1,006,738)
Finance costs		
Finance charges	(165,768)	(4,104)
Profit before income tax expense	196,532	920,199

(For Management Purposes Only)

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DETAILED STATEMENT OF COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 MARCH 2013

	2013 US$	2012 US$
Administrative expenses		
Exploration and evaluation costs	388,487	637,852
Business management fees	180,000	180,000
Overseas travelling	41,575	56,404
Agency fees	36,000	36,000
Depreciation	31,518	33,764
Auditor's remuneration	21,000	17,208
Legal and professional fees	16,849	3,434
Trading commission	16,486	1,250
Rent, rates and management fees	11,407	13,317
Telecommunications	6,936	8,402
Internet and e-mail services	3,528	3,510
Market data subscription fee	3,240	1,500
Electricity	2,414	2,166
Bank charges	2,061	2,178
Cleaning	1,526	1,273
Printing and stationery	914	1,497
Postage	736	897
Entertainment	517	2,990
Office supplies	202	189
Business registration fees	58	314
Net exchange loss	13	2,311
Repairs and maintenance	-	231
Sundries	-	51
	765,467	1,006,738

CATHAY PETROLEUM INTERNATIONAL LIMITED

（龍華石油國際有限公司）

(incorporated in Hong Kong with limited liability)

Directors' Report and Financial Statements For the year ended 31 March 2014

BDO

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DIRECTORS' REPORT

The directors present their annual report together with the audited consolidated financial statements for the year ended 31 March 2014.

PRINCIPAL ACTIVITY

The principal activity of the Company continues to be trading of energy products. The principal activities and other particulars of subsidiaries are set out in note 11 to the financial statements.

RESULTS AND APPROPRIATIONS

The results of the Group for the year ended 31 March 2014 and the state of affairs of the Company and the Group as at that date are set out in the financial statements on pages 5 to 28.

An interim dividend of US$2,700,000 was declared and paid during the year. The directors do not recommend the payment of a final dividend in respect of the year ended 31 March 2014.

RESERVES

Details of the movements in the reserves during the year are set out in the statement of changes in equity.

FIXED ASSETS

Details of movements in fixed assets of the Group and the Company are set out in note 10 to the financial statements.

DIRECTORS

The directors during the year and up to the date of this report are as follows:

Mr WEI CHEN Jason
Ms CHAN IN LON (Appointed on 21 February 2014)

In accordance with article 110 of the Company's articles of association, all directors retire, and being eligible, offer themselves for re-election for the forthcoming year.

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DIRECTORS' REPORT

DIRECTORS' INTEREST IN CONTRACTS

No contracts of significance in relation to the Company's business to which the Company, its holding company, or any of its subsidiaries or fellow subsidiaries was a party and in which a director of the Company had a material interest, whether directly or indirectly, subsisted at the end of the year or at any time, during the year.

ARRANGEMENTS TO PURCHASE SHARES OR DEBENTURES

At no time during the year was the Company, its holding company, or any of its subsidiaries or fellow subsidiaries a party to any arrangements to enable the directors of the Company to acquire benefits by means of the acquisition of shares in, or debentures of, the Company or any other body corporate.

MANAGEMENT CONTRACT

The Company has an agreement with Green Energy Holdings Limited under which Green Energy Holdings Limited provides management services to the Company in return for a fixed fee of US$10,000 per month (2013: US$15,000). This agreement will remain effective until it is expressly terminated.

AUDITOR

A resolution will be proposed at the forthcoming annual general meeting of the Company to re-appoint the auditor, BDO Limited.

Director

Hong Kong, - 3 SEP 2014

BDO

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INDEPENDENT AUDITOR'S REPORT
TO THE SHAREHOLDERS OF CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)

(incorporated in Hong Kong with limited liability)

REPORT ON THE FINANCIAL STATEMENTS

We have audited the consolidated financial statements of Cathay Petroleum International Limited ("the Company") and its subsidiaries (together "the Group") set out on pages 5 to 28, which comprise the consolidated and company statements of financial position as at 31 March 2014, and the consolidated statement of profit or loss and other comprehensive income, the consolidated statement of changes in equity and the consolidated statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

Directors' responsibility for the consolidated financial statements

The directors of the Company are responsible for the preparation of consolidated financial statements that give a true and fair view in accordance with Hong Kong Financial Reporting Standards ("HKFRSs") issued by the Hong Kong Institute of Certified Public Accountants ("HKICPA") and the Hong Kong Companies Ordinance, Cap.32 by operation of the transitional and saving provisions in Schedule 11 to the Hong Kong Companies Ordinance, Cap.622, and for such internal control as the directors determine is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audit. This report is made solely to you, as a body, in accordance with Section 141 of the Hong Kong Companies Ordinance, Cap.32 by operation of the transitional and saving provisions set out in section 80 of Schedule 11 to the Hong Kong Companies Ordinance, Cap.622, and for no other purpose. We do not assume responsibility towards or accept liability to any other person for the contents of this report.

We conducted our audit in accordance with Hong Kong Standards on Auditing issued by the HKICPA. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of consolidated financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the consolidated financial statements.

BDO

INDEPENDENT AUDITOR'S REPORT
TO THE SHAREHOLDERS OF CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)

(incorporated in Hong Kong with limited liability)

Auditor's responsibility - Continued

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements give a true and fair view of the state of affairs of the Company and of the Group as at 31 March 2014 and of the Group's profit and cash flows for the year then ended 31 March 2014 in accordance with HKFRSs and have been properly prepared in accordance with the Hong Kong Companies Ordinance, Cap. 32.

BDO

BDO Limited
Certified Public Accountants
Tam Kwok Yiu
Practising Certificate Number P02575

Hong Kong, - 3 SEP 2014

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
CONSOLIDATED STATEMENT OF PROFIT OR LOSS
AND OTHER COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 MARCH 2014

	Note	2014 US$	2013 US$
Turnover	5	707,646,226	412,247,916
Cost of sales		(701,025,283)	(411,995,118)
Gross profit		6,620,943	252,798
Other gains and losses	6	1,814,643	874,969
Administrative expenses		(963,161)	(765,467)
Profit from operations		7,472,425	362,300
Finance costs		(420,890)	(165,768)
Profit before income tax expense	7	7,051,535	196,532
Income tax expense	8	(4,511)	(5,539)
Profit and total comprehensive income for the year	9	7,047,024	190,993

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
CONSOLIDATED STATEMENT OF FINANCIAL POSITION
AS AT 31 MARCH 2014

	Note	2014 US$	2013 US$
ASSETS			
Non-current assets			
Property, plant and equipment	10	999,498	1,022,714
Current assets			
Trade receivables	13	30,426,793	-
Deposits and prepayments		3,123,623	206,489
Amount due from holding company	17(d)	-	300,000
Amount due from a related company	17(c)	865	1,000,000
Derivative financial instruments	14	-	299,460
Deposit placed with a broker	15	2,954,443	4,689,886
Bank deposits - pledged	18(c)	2,020,867	2,016,514
Cash at banks		7,657,525	2,717,316
		46,184,116	11,229,665
LIABILITIES			
Current liabilities			
Trade payables		30,340,673	-
Accruals and other payables		246,091	23,491
Derivative financial instruments	14	17,850	-
Amount due to a related company		-	1,423
Tax payable		4,511	-
		30,609,125	24,914
Net current assets		15,574,991	11,204,751
NET ASSETS		16,574,489	12,227,465
Equity			
Share capital	16	2,923,077	2,923,077
Retained earnings		13,651,412	9,304,388
TOTAL EQUITY		16,574,489	12,227,465

Director

Director

CATHAY PETROLEUM INTERNATIONAL LIMITED
（龍華石油國際有限公司）
STATEMENT OF FINANCIAL POSITION
AS AT 31 MARCH 2014

	Note	2014 US$	2013 US$
ASSETS			
Non-current assets			
Investment in subsidiaries	11	13,611	-
Property, plant and equipment	10	999,498	1,022,714
		1,013,109	1,022,714
Current assets			
Trade receivables	13	30,426,793	-
Deposits and prepayments		3,123,623	206,489
Amount due from holding company	17(d)	-	300,000
Amount due from a subsidiary	17(b)	60,088	-
Amount due from a related company	17(c)	865	1,000,000
Derivative financial instruments	14	-	299,460
Deposit placed with a broker	15	2,954,443	4,689,886
Bank deposits - pledged	18(c)	2,020,867	2,016,514
Cash at banks		7,609,290	2,717,316
		46,195,969	11,229,665
LIABILITIES			
Current liabilities			
Trade payables		30,340,673	-
Accruals and other payables		204,777	23,491
Amount due to a subsidiary	17(b)	13,610	-
Derivative financial instruments	14	17,850	-
Amount due to a related company		-	1,423
Tax payable		4,511	-
		30,581,421	24,914
Net current assets		15,614,548	11,204,751
NET ASSETS		16,627,657	12,227,465
Equity			
Share capital	16	2,923,077	2,923,077
Retained earnings		13,704,580	9,304,388
TOTAL EQUITY		16,627,657	12,227,465

Director

Director

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
CONSOLIDATED STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR ENDED 31 MARCH 2014

	Share capital US$	Retained earnings US$	Total US$
Balance at 1 April 2012	2,923,077	9,113,395	12,036,472
Profit and total comprehensive income for the year	-	190,993	190,993
Balance at 31 March 2013 and 1 April 2013	2,923,077	9,304,388	12,227,465
Profit and total comprehensive income for the year	-	7,047,024	7,047,024
Interim dividends declared and paid	-	(2,700,000)	(2,700,000)
Balance at 31 March 2014	2,923,077	13,651,412	16,574,489

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
CONSOLIDATED STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 MARCH 2014

	2014 US$	2013 US$
Operating activities		
Profit before income tax expense	7,051,535	196,532
Adjustments for:		
Depreciation	25,355	31,518
Interest income	(77,387)	(92,345)
Operating profit before working capital changes	6,999,503	135,705
Increase in trade receivables	(30,426,793)	-
Increase in deposits and prepayments	(2,917,134)	(2,447)
Decrease/(increase) in derivative financial instruments	317,310	(299,460)
Decrease/(increase) in deposit placed to broker	1,735,443	(820,150)
Decrease/(increase) in amount due from holding company	300,000	(300,000)
Decrease/(increase) in amount due from a related company	999,135	(998,577)
Increase in trade payables	30,340,673	-
Increase in accruals and other payables	222,600	2,268
Decrease in amount due to a related company	(1,423)	-
Cash generated from/(used in) operating activities	7,569,314	(2,282,661)
Income tax refund	-	55,662
Income tax paid	-	(5,539)
Net cash generated from/(used in) operating activities	7,569,314	(2,232,538)
Investing activities		
Payments to acquire property, plant and equipment	(2,139)	(1,253)
Interest received	77,387	92,345
Net cash generated from investing activities	75,248	91,092
Financing activities		
Increase in pledged deposits	(4,353)	(6,029)
Dividend paid	(2,700,000)	-
Net cash used in financing activities	(2,704,353)	(6,029)
Net increase/(decrease) in cash and cash equivalents	4,940,209	(2,147,475)
Cash and cash equivalents beginning of year	2,717,316	4,864,791
Cash and cash equivalents at end of year	7,657,525	2,717,316
Analysis of the balance of cash and cash equivalents:		
Cash at banks	7,657,525	2,717,316

1. GENERAL

Cathay Petroleum International Limited ("the Company") is a private company incorporated in Hong Kong with limited liability. The address of its registered office and principal place of business is Unit 903, 9/F China Merchants Tower, Shun Tak Centre, 168-200 Connaught Road Central, Hong Kong.

The principal activity of the Company continues to be trading of energy products. The principal activities and other particulars of the subsidiaries are set out in note 11 to the financial statements.

The Company's parent is Cathay Petroleum Holdings Limited (incorporated in the British Virgin Islands) which the directors consider as the ultimate parent.

2. ADOPTION OF HONG KONG FINANCIAL REPORTING STANDARDS ("HKFRSs")

(a) Adoption of amendments to HKFRSs - Effective 1 April 2013

HKFRSs (Amendments)	Annual Improvements to HKFRS 2009-2011 Cycle
HKFRSs (Amendments)	Annual Improvements to HKFRS 2010-2012 Cycle
HKFRSs (Amendments)	Annual Improvements to HKFRS 2011-2013 Cycle
Amendments to HKAS 1 (Revised)	Presentation of Items of Other Comprehensive Income
Amendments to HKFRS 7	Offsetting Financial Assets and Financial Liabilities
HKFRS 10	Consolidated Financial Statements
HKFRS 11	Joint Arrangements
HKFRS 12	Disclosure of Interests in Other Entities
HKFRS 13	Fair Value Measurement
HKAS 27 (2011)	Separate Financial Statements

The adoption of these revised/amendments has no significant impact on the Group's financial statements.

(b) New/revised HKFRSs that have been issued but are not yet effective

The following new/revised HKFRSs, potentially relevant to the Group's financial statements, have been issued, but are not yet effective and have not been early adopted by the Group.

Amendments to HKAS 32	Offsetting Financial Assets and Financial Liabilities[1]
HKFRS 9	Financial Instruments[4]

2. ADOPTION OF HONG KONG FINANCIAL REPORTING STANDARDS ("HKFRSs") - Continued

(b) New/revised HKFRSs that have been issued but are not yet effective - Continued

HKFRSs (Amendments)	Annual Improvements 2010-2012 Cycle[3]
HKFRSs (Amendments)	Annual Improvements 2011-2013 Cycle[2]

[1] Effective for annual periods beginning on or after 1 January 2014
[2] Effective for annual periods beginning on or after 1 July 2014
[3] Effective for annual periods beginning, or transactions occurring, on or after 1 July 2014
[4] No mandatory effective date has yet been determined but is available for early adoption

The Group is in the process of making an assessment of the potential impact of these new or revised HKFRSs and the directors so far concluded that the application of the other new or revised HKFRSs will have no material impact on the results and the financial position of the Group.

3. BASIS OF PREPARATION

(a) Statement of compliance

The consolidated financial statements have been prepared in accordance with all applicable Hong Kong Financial Reporting Standards, Hong Kong Accounting Standards and Interpretations (hereinafter collectively referred to as the "HKFRSs") and the Hong Kong Companies Ordinance which concern the preparation of financial statements, which for this financial year and the comparative period continue to be those of the Hong Kong Companies Ordinance, Cap. 32, in accordance with the transitional and saving arrangements for Part 9 of the Hong Kong Companies Ordinance, Cap.622 "Accounts and Audit" which are set out in sections 76 to 87 of Schedule 11 to that Ordinance.

(b) Basis of measurement

The consolidated financial statements have been prepared under the historical cost basis.

(c) Functional and presentation currency

The consolidated financial statements are presented in United States dollars ("US$"), which is same as the functional currency of the Company.

4. SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of consolidation

The consolidated financial statements comprise the financial statements of the Company and its subsidiaries ("the Group"). Inter-company transactions and balances between group companies together with unrealised profits are eliminated in full in preparing the consolidated financial statements. Unrealised losses are also eliminated unless the transaction provides evidence of impairment on the asset transferred, in which case the loss is recognised in profit or loss.

The results of subsidiaries acquired or disposed of during the year are included in the consolidated statement of profit or loss and other comprehensive income from the dates of acquisition or up to the dates of disposal, as appropriate. Where necessary, adjustments are made to the financial statements of subsidiaries to bring their accounting policies into line with those used by other members of the Group.

(b) Subsidiaries

A subsidiary is an investee over which the Company is able to exercise control. The Company controls an investee if all three of the following elements are present: power over the investee, exposure, or rights, to variable returns from the investee, and the ability to use its power to affect those variable returns. Control is reassessed whenever facts and circumstances indicate that there may be a change in any of these elements of control.

In the Company's statement of financial position, investment in subsidiaries is stated at cost less impairment loss, if any. The results of subsidiaries are accounted for by the Company on the basis of dividends received and receivable.

(c) Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses.

The cost of property, plant and equipment includes its purchase price and the costs directly attributable to the acquisition of the items.

Subsequent costs are included in the asset's carrying amount or recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the Group and the cost of the item can be measured reliably. The carrying amount of the replaced part is derecognised. All other repairs and maintenance are recognised as an expense in profit or loss during the financial period in which they are incurred.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(c) Property, plant and equipment - Continued

Property, plant and equipment are depreciated so as to write off their cost or valuation net of expected residual value over their estimated useful lives on a straight-line basis. The useful lives, residual value and depreciation method are reviewed, and adjusted if appropriate, at the end of each reporting period. The useful lives are as follows:

Land and buildings	50 years
Furniture and fixtures	3 years
Office equipment	3 years

An asset is written down immediately to its recoverable amount if its carrying amount is higher than the asset's estimated recoverable amount.

The gain or loss on disposal of an item of property, plant and equipment is the difference between the net sale proceeds and its carrying amount, and is recognised in profit or loss on disposal.

(d) Joint arrangements

The group is a party to a joint arrangement where there is a contractual arrangement that confers joint control over the relevant activities of the arrangement to the group and at least one other party. Joint control is assessed under the same principles as control over subsidiaries.

The group classifies its interests in joint arrangements as either:

- Joint ventures: where the group has rights to only the net assets of the joint arrangement; or
- Joint operations: where the group has both the rights to assets and obligations for the liabilities of the joint arrangement.

In assessing the classification of interests in joint arrangements, the Group considers:

- The structure of the joint arrangement;
- The legal form of joint arrangements structured through a separate vehicle;
- The contractual terms of the joint arrangement agreement; and
- Any other facts and circumstances (including any other contractual arrangements).

The Group accounts for its interests in joint operations by recognising its share of assets, liabilities, revenues and expenses in accordance with its contractually conferred rights and obligations.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(e) Exploration and evaluation assets

Exploration and evaluation assets comprise costs which are directly attributable to: researching and analysing existing exploration data; conducting geological studies; exploratory drilling and sampling; examining and testing extraction and treatment methods; and compiling pre-feasibility and feasibility studies. Exploration and evaluation assets also include the costs incurred in acquiring mining rights, the entry premiums paid to gain access to areas of interest and amounts payable to third parties to acquire interests in existing projects.

During the initial stage of a project, exploration and evaluation costs are expensed as incurred. Expenditure on a project after it has reached a stage at which there is a high degree of confidence in its viability is capitalised as exploration and evaluation assets and not amortised, and transferred to mining rights if the project proceeds. If a project does not prove viable, all irrecoverable costs associated with the project are expensed in the statement of profit or loss and other comprehensive income. Exploration and evaluation assets are stated at cost less impairment losses, if any.

(f) Financial instruments

(i) Financial assets

The Group classifies its financial assets at initial recognition, depending on the purpose for which the asset was acquired. Financial assets at fair value through profit or loss are initially measured at fair value and all other financial assets are initially measured at fair value plus transaction costs that are directly attributable to the acquisition of the financial assets. Regular way purchases or sales of financial assets are recognised and derecognised on a trade date basis. A regular way purchase or sale is a purchase or sale of a financial asset under a contract whose terms require delivery of the asset within the time frame established generally by regulation or convention in the marketplace concerned.

Financial assets at fair value through profit or loss

Financial assets are classified as at fair value through profit or loss where the financial asset is either held for trading or it is designated as at fair value through profit or loss. Financial assets at fair value through profit or loss are stated at fair value, with any resultant gain or loss recognised in profit or loss. The net gain or loss recognised in profit or loss incorporates any dividend or interest earned on the financial assets.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(f) Financial instruments - Continued

(i) Financial assets - continued

Loans and receivables

These assets are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market. They arise principally through the provision of goods to customers (trade debtors), and also incorporate other types of contractual monetary assets. Subsequent to initial recognition, they are carried at amortised cost using the effective interest method, less any identified impairment losses.

(ii) Impairment loss on financial assets

The Group assesses, at the end of each reporting period, whether there is any objective evidence that a financial asset is impaired. A financial asset is impaired if there is objective evidence of impairment as a result of one or more events that has occurred after the initial recognition of the asset and that event has an impact on the estimated future cash flows of the financial asset that can be reliably estimated. Evidence of impairment may include:

- significant financial difficulty of the debtor;
- a breach of contract, such as a default or delinquency in interest or principal payments;
- granting concession to a debtor because of the debtor's financial difficulty; or
- it becoming probable that the debtor will enter bankruptcy or other financial reorganisation.

For loans and receivables

An impairment loss is recognised in profit or loss when there is objective evidence that a financial asset is impaired, and is measured as the difference between the asset's carrying amount and the present value of the estimated future cash flows discounted at the original effective interest rate. The carrying amount of a financial asset is reduced through the use of an allowance account. When any part of a financial asset is determined as uncollectible, it is written off against the allowance account for the relevant financial asset.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(f) Financial instruments - Continued

(iii) Financial liabilities

The Group classifies its financial liabilities as financial liabilities at amortised cost, which includes trade and other payables and are initially recognised at fair value, net of directly attributable transaction costs incurred and are subsequently measured at amortised cost, using the effective interest method. The related interest expense is recognised in profit or loss.

Gains or losses are recognised in profit or loss when the liabilities are derecognised as well as through the amortisation process.

(iv) Effective interest method

The effective interest method is a method of calculating the amortised cost of a financial asset or financial liability and of allocating interest income or interest expense over the relevant period. The effective interest rate is the rate that exactly discounts estimated future cash receipts or payments through the expected life of the financial asset or liability, or where appropriate, a shorter period.

(v) Equity instruments

Equity instruments issued by the Group are recorded at the proceeds received, net of direct issue costs.

(vi) Derecognition

The Group derecognises a financial asset when the contractual rights to the future cash flows in relation to the financial asset expire or when the financial asset has been transferred and the transfer meets the criteria for derecognition in accordance with HKAS 39 Financial Instruments: Recognition and Measurement.

Financial liabilities are derecognised when the obligation specified in the relevant contract is discharged, cancelled or expires.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(g) Income taxes

Income taxes for the year comprise current tax and deferred tax.

Current tax is based on the profit or loss from ordinary activities adjusted for items that are non-assessable or disallowable for income tax purposes and is calculated using tax rates that have been enacted or substantively enacted at the end of the reporting period.

Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the corresponding amounts used for tax purposes. Except for goodwill and recognised assets and liabilities that affect neither accounting nor taxable profits, deferred tax liabilities are recognised for all temporary differences. Deferred tax assets are recognised to the extent that it is probable that taxable profits will be available against which deductible temporary differences can be utilised. Deferred tax is measured at the tax rates expected to apply in the period when the liability is settled or the asset is realised based on tax rates that have been enacted or substantively enacted at the end of the reporting period.

Income taxes are recognised in profit or loss except when they relate to items recognised in other comprehensive income in which case the taxes are also recognised in other comprehensive income.

(h) Foreign currency

Transactions entered into by the Group in currencies other than the currency of the primary economic environment in which it operates (the "functional currency") are recorded at the rates ruling when the transactions occur. Foreign currency monetary assets and liabilities are translated at the rates ruling at the end of reporting period. Non-monetary items that are measured in terms of historical cost in a foreign currency are not retranslated.

Exchange differences arising on the settlement of monetary items, and on the translation of monetary items, are recognised in profit or loss in the period in which they arise.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(h) Foreign currency - Continued

On consolidation, income and expense items of foreign operations are translated into the presentation currency of the Group (i.e. United States dollars) at the average exchange rates for the year, unless exchange rates fluctuate significantly during the period, in which case, the rates approximating to those ruling when the transactions took place are used. All assets and liabilities of foreign operations are translated at the rate ruling at the end of reporting period. Exchange differences arising, if any, are recognised inother comprehensive income and accumulated in equity as foreign exchange reserve (attributed to minority interests as appropriate). Exchange differences recognized in profit or loss of group entities's separate financial statements on the translation of long-term monetary items forming part of the Group's net investment in the foreign operation concerned are reclassified to other comprehensive income and accumulated in equity as foreign exchange reserve.

(i) Provisions and contingent liabilities

Provisions are recognised for liabilities of uncertain timing or amount when the Group has a legal or constructive obligation arising as a result of a past event, which will probably result in an outflow of economic benefits that can be reasonably estimated.

Where it is not probable that an outflow of economic benefits will be required, or the amount cannot be estimated reliably, the obligation is disclosed as a contingent liability, unless the probability of outflow of economic benefits is remote. Possible obligations, the existence of which will only be confirmed by the occurrence or non-occurrence of one or more future events, are also disclosed as contingent liabilities unless the probability of outflow of economic benefits is remote.

(j) Revenue recognition

Revenue from sales of energy products is recognised on transfer of risks and rewards of ownership, which is at the time of delivery and the title is passed to customer.

Interest income is accrued on a time basis on the principal outstanding at the applicable interest rate.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(k) Related parties

(a) A person or a close member of that person's family is related to the Group if that person:

(i) has control or joint control over the Group;
(ii) has significant influence over the Group; or
(iii) is a member of key management personnel of the Group or the Group's parent.

(b) Any entity is related to the Group if any of the following conditions apply:

(i) The entity and the Group are members of the same group.
(ii) One entity is an associate or joint venture of the other entity (or an associate or joint venture of a member of a group of which the other entity is a member).
(iii) Both entities are joint ventures of the same third party.
(iv) One entity is a joint venture of a third entity and the other entity is an associate of the third entity.
(v) The entity is a post-employment benefit plan for the benefit of the employees of the Group or an entity related to the Group.
(vi) The entity is controlled or jointly controlled by a person identified in (a).
(vii) A person identified in (a)(i) has significant influence over the entity or is a member of key management personnel of the entity (or of a parent of the entity).

Close members of the family of a person are those family members who may be expected to influence, or be influenced by, that person in their dealings with the entity and include:

(i) that person's children and spouse or domestic partner;
(ii) children of that person's spouse or domestic partner; and
(iii) dependents of that person or that person's spouse or domestic partner.

(l) Impairment of other assets

At the end of each reporting period, the Group reviews the carrying amounts of the following assets to determine whether there is any indication that those assets have suffered an impairment loss or an impairment loss previously recognised no longer exists or may have decreased:

- property, plant and equipment; and
- investment in subsidiaries.

4. SIGNIFICANT ACCOUNTING POLICIES - Continued

(l) Impairment of other assets - Continued

If the recoverable amount (i.e. the greater of the fair value less costs to sell and value in use) of an asset is estimated to be less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount. An impairment loss is recognised as an expense immediately.

Where an impairment loss subsequently reverses, the carrying amount of the asset is increased to the revised estimate of its recoverable amount, to the extent that the increased carrying amount does not exceed the carrying amount that would have been determined had no impairment loss been recognised for the asset in prior years. A reversal of an impairment loss is recognised as income immediately.

5. TURNOVER

Turnover represents the net invoiced value of goods sold.

6. OTHER GAINS AND LOSSES

	2014 US$	2013 US$
Net gain on derivative financial instruments	1,937,256	782,624
Payment-in-advance written off	(200,000)	-
Interest income	77,387	92,345
	1,814,643	874,969

7. PROFIT BEFORE INCOME TAX EXPENSE

Profit before income tax expense is arrived at after charging:

	2014 US$	2013 US$
Directors' remuneration	-	-
Depreciation	25,355	31,518
Net exchange losses	519	13
Auditor's remuneration	23,000	21,000
Exploration and evaluation costs	15,000	388,487

8. INCOME TAX EXPENSE

(a) The amount of income tax expense in the consolidated statement of profit or loss and other comprehensive income represents:

	2014 US$	2013 US$
Provision for the year	4,511	-
Under-provision in respect of prior year	-	5,539
Income tax expense	4,511	5,539

Provision for Hong Kong profits tax is calculated at 16.5% on the estimated assessable profits.

Overseas tax is calculated at the rates applicable in the respective jurisdictions. No provision for overseas tax has been made as the subsidiaries have no taxable profit for the year.

(b) The income tax expense for the year can be reconciled to the profit per the consolidated statement of profit or loss and other comprehensive income as follows:

	2014 US$	2013 US$
Profit before income tax expense	7,051,535	196,532
Tax calculated at Hong Kong profits tax rate of 16.5% (2013: 16.5%)	1,163,503	32,428
Effect of different tax rate of subsidiary operating in other jurisdiction	(266)	-
Tax effect of expenses not deductible for taxation purposes	261,655	126,302
Tax effect of non-taxable offshore operations	(1,092,456)	(14,360)
Tax effect of non-taxable items	(327,925)	(144,370)
Under-provision for prior year	-	5,539
Income tax expense	4,511	5,539

(c) The Group had no significant deferred tax assets or liabilities at the end of the reporting period (2013: Nil).

9. PROFITS ATTRIBUTABLE TO SHAREHOLDERS

Profits attributable to shareholders include an amount of US$7,100,192 (2013: US$190,993) which has been dealt with in the financial statements of the Company.

10. PROPERTY, PLANT AND EQUIPMENT

The Group and the Company

	Land and buildings US$	Furniture and fixtures US$	Office equipment US$	Total US$
Cost				
At 31 March 2012	1,156,280	38,190	48,150	1,242,620
Additions	-	-	1,253	1,253
At 31 March 2013	1,156,280	38,190	49,403	1,243,873
Additions	-	-	2,139	2,139
At 31 March 2014	1,156,280	38,190	51,542	1,246,012
Accumulated depreciation				
At 31 March 2012	111,449	35,540	42,652	189,641
Charge for the year	23,882	2,650	4,986	31,518
At 31 March 2013	135,331	38,190	47,638	221,159
Charge for the year	23,882	-	1,473	25,355
At 31 March 2014	159,213	38,190	49,111	246,514
Carrying amount				
At 31 March 2014	997,067	-	2,431	999,498
At 31 March 2013	1,020,949	-	1,765	1,022,714

The leasehold land and buildings are situated in Hong Kong, and held under a long term lease.

11. INVESTMENT IN SUBSIDIARIES

	The Company	
	2014 US$	2013 US$
Unlisted shares at cost	13,611	-

11. INVESTMENT IN SUBSIDIARIES - Continued

Details of the Company's subsidiaries are as follows:

Name	Form of business structure	Place of Incorporation	Place of operation and principal activity	Description of shares held	Percentage of direct ownership interests
Avakahyasi Investments Pte Ltd.	Corporation	Singapore	Investment holding companies	Ordinary shares	100%
Cathay Petroleum International DMCC	Corporation	Dubai, United Arab Emirates	Trading of oil, gas and related products in Dubai, United Arab Emirates	Ordinary shares	100%

12. INTERESTS IN JOINT OPERATION

During the year ended 31 March 2010, the Company incurred US$1,000,000 to acquire 10% interest in a joint operation being the exploration rights to explore and evaluate mineral resources in a specified location in Western Australia. The cost of US$1,000,000 was expensed in 2010. The joint operation partner holds the remaining 90% interest in the exploration rights.

In the opinion of the directors, the above exploration rights have not reached a stage at which there is a high degree of confidence in its viability at 31 March 2014 and thus the Company's share of expenses amounting to US$15,000 (2013: US$388,487) relating to the joint operation was recognised as exploration and evaluation costs in the consolidated statement of profit or loss and other comprehensive income.

The joint operation was terminated during the year.

13. TRADE RECEIVABLES

Receivables that were neither past due nor impaired relate to a customer for whom there was no recent history of default.

14. DERIVATIVE FINANCIAL INSTRUMENTS

	Group		Company	
	2014	2013	2014	2013
	US$	US$	US$	US$
Assets/(liabilities)				
- Crude oil futures contracts	(17,850)	299,460	(17,850)	299,460

The above derivatives were measured based on the quoted market prices.

15. DEPOSIT PLACED WITH A BROKER

The amount represented margins deposit placed with a broker for trading derivatives. The amount did not carry any interest.

16. SHARE CAPITAL

Authorised share capital

	2014		2013	
	Number	US$	Number	US$
Ordinary shares of HK$1 each				
At beginning of the year	22,800,000	2,923,077	22,800,000	2,923,077
The concept of authorised share capital is abolished on 3 March 2014 (Note)	(22,800,000)	(2,923,077)	-	-
At end of the year	-	-	22,800,000	2,923,077

Issued and fully paid ordinary shares

	2014		2013	
	Number	US$	Number	US$
At 31 March	22,800,000	2,923,077	22,800,000	2,923,077

Note: The Hong Kong Companies Ordinance, Cap 622 (the Ordinance) came into effect on 3 March 2014. Under S.135 of the Ordinance, shares in a company do not have nominal value. Accordingly, the concept of authorised share capital is abolished. The no nominal value regime applies to the Company.

17. RELATED PARTY TRANSACTIONS

(a) During the year and in the ordinary course of business, the Group had the following transactions with related parties:

	2014 US$	2013 US$
Agency fees paid to		
Cathay Petroleum International Limited* (incorporated in Macau)	36,000	36,000
Interim dividend declared and distributed to		
Cathay Petroleum Holdings Limited	2,700,000	-
Loan provided to/(from)		
Cathay Petroleum Holdings Limited	(1,000,000)	300,000
AvaKahyasi Investment Pte Ltd	50,000	-
Ocean Energy Investment Limited*	1,000,000	1,000,000
All Asia Energy Macao Commercial Offshore Limited*	(13,130,000)	-
Loan interest income received from/(paid to)		
Ocean Energy Investment Limited*	27,250	-
All Asia Energy Macao Commercial Offshore Limited*	(79,145)	-

* related companies under common control

(b) The amount due from/(to) a subsidiary is unsecured, interest-free and has no fixed repayment terms.

(c) The amount due from/(to) a related company is unsecured, interest-free and has no fixed repayment terms.

(d) The amount due from holding company is unsecured, interest-free and has no fixed repayment terms.

(e) The directors are the only key management personnel who received no remuneration during the current and prior years.

18. BANKING FACILITIES

Banking facilities amounting to US$140,000,000 (2013: US$70,000,000) available to the Group are secured by the following:

(a) Joint and several guarantee executed by Mr WEI CHEN Jason and a related party to the extent of US$70,000,000 (2013: US$70,000,000);

(b) Personal guarantee from Mr WEI CHEN Jason;

(c) Pledge of the Company's fixed deposits in the amount of US$2,020,867 as at 31 March 2014 (2013: US$2,016,514); and

(d) Floating charge on all assets of the Company.

The banking facilities were not utilised at 31 March 2013 and 2014.

19. CAPITAL RISK MANAGEMENT

The Group's objective of managing capital is to safeguard the Group's ability to continue as a going concern in order to provide returns for shareholders and benefits for other stakeholders and to maintain an optimal capital structure to reduce cost of capital.

In order to maintain or adjust the capital structure, the Group may adjust the amount of dividends paid to shareholders, return capital to shareholders, issue new shares or sell assets to reduce debts.

The capital structure of the Group consists of equity attributable to owners of the Group only, comprising share capital and retained earnings.

20. FINANCIAL RISK MANAGEMENT

The main risks arising from the Group's financial instruments in the normal course of the Group's business are credit risk and liquidity risk. These risks are limited by the Group's financial management policies and practices described below.

(a) Credit risk

The Group's credit risk is primarily attributable to its cash at banks, bank deposits and trade receivables. Management has a credit policy in place and the exposures to these credit risks are monitored on an ongoing basis.

20. FINANCIAL RISK MANAGEMENT - Continued

(a) Credit risk - Continued

In respect of trade receivables, individual credit evaluations are performed on the basis of the customers' past payment history. Normally, the Group does not obtain collateral from customers.

The Group has a concentration of credit risk as the trade receivables at 31 March 2014 were due from one customer.

(b) Liquidity risk

The Group's policy is to regularly monitor its current and expected liquidity requirements to ensure that it maintains sufficient reserves of cash to meet its liquidity requirements in the short and longer term.

All the Group's financial liabilities at the end of reporting period are due within one year or on demand.

21. SUMMARY OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES BY CATEGORY

The carrying amounts and fair values financial assets and financial liabilities of the Group were categorised as follows:

	2014		2013	
	Carrying amount US$	Fair value US$	Carrying amount US$	Fair value US$
Financial assets				
Financial assets at fair value through profit or loss	-	-	299,460	299,460
Loan and receivables (including cash and bank balances)	43,180,662	43,180,662	10,724,395	10,724,395
Financial liabilities				
Financial liabilities at fair value through profit or loss	17,850	17,850	-	-
Financial liabilities measured at amortised cost:	30,586,765	30,586,765	24,914	24,914

21. SUMMARY OF FINANCIAL ASSETS AND FINANCIAL LIABILITIES BY CATEGORY - Continued

(a) Financial instruments not measured at fair value

Financial instruments not measured at fair value include cash and cash equivalents, trade receivables, deposits and prepayments, amount due from a related company, deposit placed to a broker, pledged bank deposits, trade payables and accruals and other payables.

The carrying amounts of financial assets and financial liabilities approximate the fair values.

(b) Financial instruments measured at fair value

The following table provides an analysis of financial instruments carried at fair value by level of fair value hierarchy:

Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities;

Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices); and

Level 3: Inputs for the asset or liability that are not based on observable market data (unobservable inputs)

	Level 1 US$	Level 2 US$	Level 3 US$	Total US$
At 31 March 2014				
Financial liabilities at fair value through profit or loss	(17,850)	-	-	(17,850)
At 31 March 2013				
Financial assets at fair value through profit or loss	299,460	-	-	299,460

There were no transfers between levels during the year.

22. APPROVAL OF FINANCIAL STATEMENTS

The financial statements were approved and authorised for issue by the directors on
- 3 SEP 2014

(For Management Purposes Only)

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DETAILED INCOME STATEMENT
FOR THE YEAR ENDED 31 MARCH 2014

	2014 US$	2013 US$
Turnover		
Sale of goods	707,646,226	412,247,916
Cost of sales		
Purchases	701,025,283	411,994,418
Inspection fees	-	700
	701,025,283	411,995,118
Gross profit	6,620,943	252,798
Other gains and losses		
Realised fair value gain on derivative financial instruments	1,955,106	483,164
Unrealised fair value (loss)/gain on derivative financial instruments	(17,850)	299,460
Payment-in-advance written off	(200,000)	-
Interest income	77,476	92,345
	1,814,732	874,969
Administrative expenses	(910,082)	(765,467)
Finance costs		
Finance charges	(420,890)	(165,768)
Profit before income tax expense	7,104,703	196,532

CATHAY PETROLEUM INTERNATIONAL LIMITED
(龍華石油國際有限公司)
DETAILED INCOME STATEMENT - CONTINUED
FOR THE YEAR ENDED 31 MARCH 2014

	2014 US$	2013 US$
Administrative expenses		
Administrative and ancillary service fee	336,706	-
Overseas travelling	121,449	41,575
Business management fees	120,000	180,000
Retainer fee	94,000	-
Legal and professional fees	75,802	16,849
Agency fees	36,000	36,000
Depreciation	25,355	31,518
Auditor's remuneration	23,000	21,000
Trading commission	22,500	16,486
Exploration and evaluation costs	15,000	388,487
Rent, rates and management fees	12,914	11,407
Telecommunications	6,758	6,936
Internet and e-mail services	5,431	3,528
Market data subscription fee	3,540	3,240
Bank charges	3,250	2,061
Electricity	2,390	2,414
Printing and stationery	1,920	914
Cleaning	1,508	1,526
Postage	919	736
Entertainment	851	517
Net exchange loss	546	13
Office supplies	211	202
Business registration fees	32	58
	910,082	765,467

Rabobank International
Hong Kong Branch
Coöperatieve Centrale Raiffeisen-Boerenleenbank B.A.
32/F Three Pacific Place
1 Queen's Road East
Hong Kong
Tel: 2103 2000
Fax: 2103 4433
SWIFT:RABOHKHH

Rabobank

CATHAY PETROLEUM INTERNATIONAL LTD
UNIT 903, 9/F CHINA MERCHANTS TOWER
SHUN TAK CENTRE
168-200 CONNAUGHT ROAD CENTRAL, HK

A/C No : 4736030111
Currency : US DOLLAR
Statement Date: 31DEC15
Statement No.: 23

**** The deposit held in the account as stated above is a deposit qualified for protection by the Deposit Protection Scheme in Hong Kong.***

Date	Value Date	Particulars	Amount	Balance
28NOV15		B/F		8,790,227.40
30NOV15		OC15/04490CPI	6,422.89DR	
30NOV15		OC15/04490CPI	3,878.21DR	8,779,926.30
5DEC15		OC15/04490CPI	4,453.49DR	8,775,472.81
7DEC15		OC15/04490CPI	5,175.50	
7DEC15		IB15/20387CPI	4,556.35	8,785,204.66
12DEC15		IB15/20387CPI	3,298.72DR	
12DEC15		IB15/20387CPI	3,509.77	8,785,415.71
13DEC15		IB15/20387CPI	8,378.78DR	
13DEC15		P1518950231IN00	8,989.90	8,786,026.83
20DEC15		IB15/20402CPI	7,113.56DR	
20DEC15		IB15/20402CPI	3,472.03DR	
20DEC15		IB15/20402CPI	3,989.46	8,779,430.7
21DEC15		IB15/20402CPI	8,131,984.66DR	
21DEC15		P1518950238IN00	9,251,998.41	9,899,444.45
31DEC15	1JAN16	Interest	192.87	
		C/F		9,899,637.32

Please examine the statement immediately. Statement will be considered correct if we do not receive any objection within 90 days.

Rabobank International
Hong Kong Branch
Coöperatieve Centrale Raiffeisen-Boerenleenbank B.A.
32/F Three Pacific Place
1 Queen's Road East
Hong Kong
Tel: 2103 2000
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CATHAY PETROLEUM INTERNATIONAL LTD
UNIT 903, 9/F CHINA MERCHANTS TOWER
SHUN TAK CENTRE
168-200 CONNAUGHT ROAD CENTRAL, HK

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		C/F		9,899,637.32

Please examine the statement immediately. Statement will be considered correct if we do not receive any objection within 90 days.

RABO AC007

သက်တမ်းတိုး

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

006457

အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန

ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်

အမှတ် .....၁၄၉၅..../ ၂၀၀၉–၂၀၁၀

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေအရ ......တူညီ ကောင်းကင် ဆောက်လုပ်ရေး...... ....ကုမ္ပဏီ လီမိတက်........... အား ပေးရန်တာဝန် ကန့်သတ်ထားသော လီမိတက် ကုမ္ပဏီအဖြစ် ..၂၀၁၀ခုနှစ်၊ ....ဇန်နဝါရီ လ၊ ..၁၅. ရက်နေ့တွင် မှတ်ပုံတင်ထားခြင်းအား .၂၀၁၅ နှစ်၊ ..ဖေဖော်ဝါရီလ၊ ..၂၄. ရက်နေ့မှစ၍ သက်တမ်းတိုး ခွင့်ပြုလိုက်သည်။

ညွှန်ကြားရေးမှူးချုပ် (ကိုယ်စား)
(နီလာမူ၊ ဒုတိယညွှန်ကြားရေးမှူး)
ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန

THE GOVERNMENT OF THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF NATIONAL PLANNING AND ECONOMIC DEVELOPMENT

CERTIFICATE OF INCORPORATION

NO. ....1495......... of 2009-2010

I hereby certify that the tenure of ......SAME SKY CONSTRUCTION....... ....COMPANY LIMITED...incorporated under the Myanmar Companies Act on ....15th JANUARY, 2010.................. is renewed with effected from ....24th FEBRUARY, 2015......................

For Director General
(Nilar Mu, Deputy Director)
Directorate of Investment and Company Administration

ကုမ္ပဏီနှင့်သက်ဆိုင်သည့်အချက်အလက်များ

(က) အုပ်ချုပ်မှုဒါရိုက်တာအမည်၊ ဦးမျိုးအောင်......(၁၄/မမန(နိုင်)၀၀၃၆၇၉)

(ခ) ကုမ္ပဏီ ရုံးခန်းလိပ်စာ၊ အမှတ်(၂၂၆)၊ (၅)လွှာ၊ ဦးဝိစာရလမ်း၊ ဝိဇယ ပလာဇာ၊ အနောက်ရွှေဂုံတိုင်ရပ်ကွက်၊ ဗဟန်းမြို့နယ်၊ ရန်ကုန်မြို့။

(ဂ) ဆက်သွယ်ရန် ဖုန်းနံပါတ်၊ ၀၁-၃၇၅၇၈၆ ၊ ၀၁-၃၇၅၇၉၅...............

(ဃ) ဒါရိုက်တာများ အမည်စာရင်း (၁) ဦးသန်းထွန်း........................
၉/ပမန(နိုင်)၀၀၇၉၅၀
(၂) ဒေါ်အေးအေးမွန်
၁၄/မမန(နိုင်)၀၀၃၆၇၈

မှတ်ချက်။ (၁) ဤကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်သည်မှတ်ပုံတင်ရက်စွဲ(၁၅-၁-၂၀၁၅)မှ (၁၄-၁-၂၀၂၀)ရက်နေ့အထိ(၅)နှစ်သက်တမ်းအတွက်သာ ဖြစ်သည်။ သက်တမ်း မကုန်ဆုံးမီ (၃)လအလိုတွင် သက်တမ်းတိုးရန် ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများ ညွှန်ကြားမှု ဦးစီးဌာနသို့ လျှောက်ထား ရမည်။

(၂) ကုမ္ပဏီ အနေဖြင့် သင်းဖွဲ့မှတ်တမ်းတွင်အဆိုပြု တင်ပြထားသော လုပ်ငန်းရည်ရွယ်ချက်များကိုသာ လုပ်ကိုင်ရမည်။

(၃) သင်းဖွဲ့မှတ်တမ်းပါ ရည်ရွယ်ချက်များသည် သက်ဆိုင်ရာ ပြည်ထောင်စု ဝန်ကြီးဌာန၏ တည်ဆဲဥပဒေ၊ နည်းဥပဒေ၊ လုပ်ထုံးလုပ်နည်း များနှင့်အညီ ခွင့်ပြုချက် ရရှိမှသာ ဆောင်ရွက်ခွင့် ရှိမည် ဖြစ်ပါသည်။

(၄) လုပ်ငန်းရည်ရွယ်ချက် ပြောင်းလဲ လုပ်ကိုင်လိုပါက ပြောင်းလဲ လုပ်ကိုင်လိုသည့် လုပ်ငန်း ရည်ရွယ်ချက်များအား သင်းဖွဲ့မှတ်တမ်းတွင် ပြင်ဆင် မှတ်ပုံတင်ရန်အတွက် ဒါရိုက်တာအဖွဲ့(BOD)၏ အထူး အစည်းအဝေး ဆုံးဖြတ်ချက် မှတ်တမ်းနှင့်အတူ ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများ ညွှန်ကြားမှု ဦးစီးဌာန သို့ လျှောက်ထား ရမည် ။

ညွှန်ကြားရေးမှူးချုပ် (ကိုယ်စား)
(မော်မော်စိုး ၊ လက်ထောက်ညွှန်ကြားရေးမှူး)

လာရောက်ထုတ်ယူသည့် ရက်စွဲ၊ 26 FEB 2015

The Government of the Republic of the Union of Myanmar
Ministry of Commerce
Directorate of Trade

CERTIFICATE OF EXPORTER/IMPORTER REGISTRATION

1. Enterprise Name (မြန်မာ/အင်္ဂလိပ်): Same Sky Construction Co., Ltd.

2. Registration No: 24100(09-02-10)

3. Registration Term: FIVE YEAR

4. Start Date : 12-03-2015

5. End Date : 14-01-2020

6. Address : (မြန်မာ/အင်္ဂလိပ်) No.226,Wizaya Plaza,U Wizaya Road,Bahan T/S,
Yangon Region,Myanmar

7. Business Registration No : 1495/2009-2010(15-1-2010)

8. Type of Business : (မြန်မာ/အင်္ဂလိပ်)
- ☐ Sole Proprietorship(တစ်ဦးတည်းပိုင်) ☐ Partnership(အစုအစပ်)
- ☑ Limited Company(လီမိတက်ကုမ္ပဏီ)(Myanmar/Foreign)
- ☐ Co-operative Society(သမဝါယမအသင်း)
- ☐ Others(Please specify)အခြား(ဖော်ပြရန်) သင်းဖွဲ့မှတ်တမ်းပါလုပ်ငန်း(   )မျိုး ဆောင်ရွက်ခွင့်ရှိသည်။

9. Type of Service : ○ New ◉ Extension

10. Contact No :

Telephone No.	Fax No.	e-mail
375795		

11. Remarks :

12. Terms and Conditions : စည်းကမ်းချက်များ

I hereby register the above mentioned enterprise as Exporter/Importer subject to the following terms and conditions: (အောက်ဖော်ပြပါစည်းကမ်းချက်များဖြင့် ပို့ကုန်သွင်းကုန် လုပ်ငန်းရှင်အဖြစ် မှတ်တမ်းတင်ခွင့်ပြုသည်)

(a) Line of goods permitted - all items except prohibited and restricted items.
ခွင့်ပြုသည့်ကုန်ပစ္စည်းအမျိုးအမည် - တားမြစ်ကန့်သတ်ထားသော ကုန်ပစ္စည်းအမယ်များမှလွဲ၍ ကျန်ကုန်ပစ္စည်းများအားလုံး

(b) The enterprise must abide by the Export/Import rules and Regulations prescribed for the registered Exporters/Importers.(လုပ်ငန်းရှင်သည် မှတ်ပုံတင် ပို့ကုန်သွင်းကုန်လုပ်ငန်းလုပ်ကိုင်သူများ လိုက်နာရမည့်စည်းကမ်းချက်များကို လိုက်နာရမည်)

Stamp

EIREGEX031581EIREGEX12130012

For Director General

12.3.15

ပြည်ထောင်စုမြန်မာနိုင်ငံ

ကုန်သည်များနှင့်စက်မှုလက်မှုလုပ်ငန်းရှင်များအသင်းချုပ်

The Union of Myanmar Federation of Chambers of Commerce and Industry

အမှတ် ၂၉၊ မင်းရဲကျော်စွာလမ်း၊ လမ်းမတော်မြို့နယ်၊ ရန်ကုန်မြို့။

၁၉၁၉ ခုနှစ်တွင်တည်ထောင်သည်။

အသင်းဝင်လက်မှတ်

Certificate of Membership

၁။ အသင်းဝင်အမည်နှင့်လိပ်စာ
တူညီကောင်းကင်ဆောက်လုပ်ရေးကုမ္ပဏီလီမိတက်
အမှတ် (၂၂၆)၊ ၅ လွှာ၊ ဝိဇယပလာဇာ၊
ဦးဝိစာရလမ်း၊ ဗဟန်းမြို့နယ်၊ ရန်ကုန်မြို့။

1. Name and Address of Member
Same Sky Construction Company Limited
No.(226), 5th Floor, Wizaya Plaza, U Wizaya Road,
Bahan Township, Yangon.

၂။ ဆက်သွယ်ရန်နံပါတ် (ဖုန်း/ဖက်စ်/အီးမေးလ်)
ဖုန်း ၉၅-၁-၃၇၅၇၉၅၊ ၃၇၅၇၈၆၊ ၃၇၅၇၇၂
ဖက်စ် ၉၅-၁-၅၁၁၈၇၀
အီးမေးလ် -

2. Contact Number (Tel:/Fax/Email)
Tel 95-1-375795, 375786, 375772
Fax 95-1-511870
E-mail samesky@myanmar.com.mm

၃။ အသင်းဝင်အမှတ်နှင့်ရက်စွဲ
၂၀၃၉၆ / (၁၅-၉-၂၀၁၀)

3. Membership Registration No and Date
20396 / (15-10-2010)

၄။ လုပ်ငန်းမှတ်ပုံတင်အမှတ်နှင့်ရက်စွဲ
၁၄၉၅ / ၂၀၀၉-၂၀၁၀

4. Business Registration No and Date
1495 / 2009-2010

၅။ လျှောက်ထားသူ၏အမျိုးသားမှတ်ပုံတင်အမှတ်

5. National Registration No. of Applicant

၆။ လုပ်ငန်းအမျိုးအစားသက်ဆိုင်ရာ
(အကွက်ကိုအမှတ်အသားပြုပါ)

6. Type of Business
(Please tick here ☑ applicable)

- ☐ Sole Proprietorship
- ☐ Partnership
- ☑ Limited Co [Myanmar (or) ~~Foreign~~]
- ☐ Cooperative Society
- ☐ Individual
- ☐ Others (Please specify)

၇။ အထက်ဖော်ပြပါကုမ္ပဏီ/လျှောက်ထားသူသည်UMFCCIအသင်းချုပ်တွင် ၁၃၇၂ ခုနှစ်၊ တော်သလင်းလဆန်း လ၊ ၇ ရက်၊ ၂၀၁၀ ခုနှစ်၊ စက်တင်ဘာ လ၊ ၁၅ ရက်မှစ၍အသင်းဝင်အမှတ် ၂၀၃၉၆ ဖြင့် အသင်းဝင်ထားသည့်အဖွဲ့အစည်း/~~ပုဂ္ဂိုလ်~~အသင်းဝင်တစ်ဦးဖြစ်ပါကြောင်း။

7. The above-mentioned enterprise/~~individual~~ is a member of the UMFCCI with the membership number 20396 dated 15th (day) September (month) 2010 (year)

အထွေထွေအတွင်းရေးမှူး/Secretary General

ဥက္ကဋ္ဌ/President

Specimen Signature of the member (or) the representative

15301

Extended period of membership registration			Signature, name and designation of authorized person
(1)	From 1.1.2010	to 31.12.2011(For two years)	Dr. Pwint San Joint Secretary General
(2)	From 1-1-2012	to 31.12.2013 (For two years)	Joint Secretary General
(3)	From	to	

RETURN OF ALLOTMENTS
THE MYANMAR COMPANIES ACT.

(See Section 104)

(To be filled with the Registrar within one month after the allotment is made)

Return of allotment from the 24th of SEPTEMBER, 2012.

on the of - of the * SAME SKY CONSTRUCTION CO;LTD.

Made pursuant to Section 104 (1)

Number of the shares allotted payable in cash .... 300 SHARES

" " " " ....

Nominal amount of the shares so allotted .... KS. 30,000,000/-

" " " " ....

Amount paid or due and payable on cash such share .... KS. 100,000/-

" " " " .... (FULLY PAID UP)

Number of ordinary shares allotted for a consideration other than cash

Numinal amount of the ordinary shares so allotted ....

Amount to be treated as paid on each such share ....

The consideration for which such share have been allotted is as follow: -

---

NOTE: In making a return of allotted under Section 104 (1) the Myanmar Companies Act., it is to be noted that-

1. When a return include several allotments made on different dates, the actual date of only the first and last of such allotment should be entered as the tip of the front page, and the registration of the return should be effected within one month of the first date.

2. When a return relates to one allotment only, made on one particular date, that date only should be inserted and the spaces for the second date struck out and the word made substituted for the word " From " after the word " allotments " above.

* Here insert name of Company.

Distinguish between preference, ordinary, or other description of shares.

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

SA

ၓ/-

Presented for filling by: DAW AYE AYE MON(DIRECTOR)

Name, Address and Description of Allottees

Name & N.R.C No	Address	Description	Number of the shares allotted	
			Preference	ordinary
1. U MYO AUNG 14/ MA MA NA (NAING)- 003679	NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.	MERCHANT		100
2. U THAN HTUN 9/ PA MA NA (NAING)- 007950	NO.(36), BOGYOKE STREET, MINGALAR QUARTER, PYINMANA TOWNSHIP, NAY PYI TAW.	MERCHANT		100
3. DAW AYE AYE MON 14/ MA MA NA (NAING)- 003678	NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.	MERCHANT		100
			TOTAL	300 SHARES

(Seal: SAME SKY CONSTRUCTION CO.,LTD.)

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

Signature

Date 24. 9. 2012

MANAGING DIRECTOR

FORM XXVI

PARTICULARS OF DIRECTORS, MANAGERS AND MANAGING AGENTS AND OF ANY CHANGES THEREIN

(Myanmar Companies Act, See Section 87)

Name of Company : SAME SKY CONSTRUCTION COMPANY LIMITED.

Presented by : U MYO AUNG (MANAGING DIRECTOR)

2020

The Present Christian name or names of surnames	Nationality, National Registration Card No.	Usual Residential Address	Other Business Occupation	Changes
1. U Myo Aung	Myanmar 14/ Ma Ma Na (Naing) 003679	No.2/B, Bogyoke Museum Street, Bo Cho Ward, Bahan Township, Yangon.	Merchant	Managing Director
2. U Than Htun	Myanmar 9 / Pa Ma Na (Naing) 007950	No.36, Bogyoke Street, Mingalar Quarter, Pyinmana Township, Nay Pyi Taw,	Merchant	Director
3. Daw Aye Aye Mon	Myanmar 14/ Ma Ma Na (Naing) 003678	No.2/B, Bogyoke Museum Street, Bo Cho Ward, Bahan Township, Yangon.	Merchant	Director
4. Lee Kay Ngoon @ U Kyaw Myint	Myanmar 12/ Ka Ta Ta (Naing) 010254	No.111, Myintzu Street, (8) Ward, Yankin Township, Yangon.	Merchant	Resigned from Director w.e.f. 25.11.2011.

NOTE : (1) A Complete list of the Directors or Managers or Managing Agents shown as existing in the last particulars.

(2) A note of the changes since the last list should be made in the column for " Changes" by placing against the new Director's name the word " in place of .... and by writing against any former Director's name the word "dead " " resigned" or as the case may be giving the date of change against the entry.

Dated this 25.11.2011.

Signature ....

Designation ....

Myanmar Companies

008926

THE MYANMAR COMPANIES ACT

LIST OF SHAREHOLDERS.

FORM E.

(As required by part II of the Act. See Section 32)

* * ● * *

SUMMARY OF SHARE CAPITAL AND SHARES OF THE

SAME SKY CONSTRUCTION COMPANY LIMITED

Made up to the 28th *day of* OCTOBER *being the day of the first Ordinary General Meeting in* 2014

Nominal Share Capital - K 1,000,000,000/-	
Divided into * 10,000 Shares of K. 100,000/- each	
and Shares of K. each	
and Shares of K. each	
and Shares of K. each	
Total number of shares taken up to the 28th day OCTOBER, ... 2014. (This number must agree, with the total shown in the list; as held by existing members)	1,000 SHARES
Numbers of Shares issued subject to payment wholly in cash	
Numbers of Shares issued as fully paid-up otherwise than in cash	
Numbers of Shares issued as partly paid-up to the extent of per share Otherwise than in cash	
● There has been called up on each of 1000 Shares K.	KS. 100,000/- (FULLY PAID UP)
There has been called up on each of Shares K.	
There has been called up on each of Shares K.	....
+ Total amount of calls received including payments on application and allotment ... ... K.	KS. 10,000,000/-
Total amount agree to be considered as paid shares which have been issued as fully paid up otherwise than in cash .... K.	....
Total amount agreed to be considered as paid shares which have been issued as Partly paid-up to the extent of .... per Share ... . K.	
Total amount of Calls unpaid ... . K.	....
Total amount of sums paid by way of commission in respect of shares or debentures or allowed by way of discount since date of last summary ... ... K.	....
Total amount of shares forfeited ... ... K.	....
Aggregate number of shares forfeited ... ... K.	....
Total amount of Shares and stock for which share-warrants are outstanding ... ... K.	
Total amount of share-warrants issued ... ... K.	....
Do do surrendered since date of last summary K.	....
Number of shares or amount of stock comprised in each share-warrant ... ... K.	....
Total amount of debt due from the Company in respect of all Mortgages and Charges which are required to be registered with the Registrar under this Act ... ... K.	....

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

When there are shares of different kind of mounts (e.g., Preference and Ordinary or K.2000 or 1000) state the numbers and nominal values separately.

● Where various amounts have been called, or there are shares of different kinds state them separately.

+ Include what has been received or forfeited as on existing shares.

FORM E-Contd. **LIST OF PERSONS HOLDING SHARES IN THE** SAME SKY CONSTRUCTION

On the 28th day of

And of Persons who have held shares here in at any time

Addresses and account:

NAMES ADDRESSES AND OCCUPATIONS.

Folio in register	Name in Full	Father's Name.	Address	Occupation or Casts	*Nationally
1.	U MYO AUNG		NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.	MERCHANT	MYANMAR
2.	U THAN HTUN		NO.(36), BOGYOKE STREET, MINGALAR QUARTER, PYINMANA TOWNSHIP, NAY PYI TAW.	MERCHANT	MYANMAR
3.	DAW AYE AYE MON		NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.	MERCHANT	MYANMAR

SAME SKY CONSTRUCTION CO., LTD. ★

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

- State the aggregate number of shares forfeited (if any)
- The aggregate number of shares held and not the distinctive numbers, must be stated, and the column must be added up throughout so as to make one total to agree with that stated in the summary to have been taken up.

\# When the shares are of different classes, these columns may be subdivided, so that the number of each class held or transferred may be shown.

RUCTIOI

................................COMPANY LIMITED
OCTOBER , 2014
....

Since the date of last return, showing their names and
Of the shares so held

Date and number of certificate of citizenship if issued by Government of the Union of Myanmar	ACCOUNT OF SHARES					REMARKS.
	*Number of shares held by existing Members at date of return	** Particulars of Shares Transferred since the date of the last return by persons who are still Members		** Particulars of Shares Transferred since the date of the last return by persons who Ceased to be Members		
		-Number	Date of Registration of Transfer	# Number	Date of Registration of Transfer	
14/ MA MA NA (NAING)- 003679	500					
9/ PA MA NA (NAING)- 007950	300					
14/ MA MA NA (NAING)- 003678	200					

TOTAL	1000 SHARES					
	==============					

SAME SKY CONSTRUCTION CO.,LTD.

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

** The date of Registration of each transfer should be given as well as the Number of Shares transferred on each date. The particulars should be placed opposite the name of the Transferor and not opposite that of the Transferee, but the name of the Transferee may be inserted in the "Remarks" column, Immediately opposite the particulars of each Transfer.

FORM E-Contd.

Names and addresses of the persons who are the DIRECTORS of the SAME SKY CONSTRUCTION COMPANY LIMITED

On the 28th day of OCTOBER , 2014.

NAME	ADDRESS	FOREIGNERS	Nationality Citizens of the Union of Myanmar
1. U MYO AUNG	NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.		MYANMAR 14/ MA MA NA (NAING)- 003679
2. U THAN HTUN	NO.(36), BOGYOKE STREET, MINGALAR QUARTER, PYINMANA TOWNSHIP, NAY PYI TAW.		MYANMAR 9/ PA MA NA (NAING)- 007950
3. DAW AYE AYE MON	NO.(2/B), BOGYOKE MUSEUM STREET, BO CHO WARD, BAHAN TOWNSHIP, YANGON.		MYANMAR 14/ MA MA NA (NAING)- 003678

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

FORM E-Contd.

Names and addresses of the persons who are the **MANAGERS** of the SAME SKY CONSTRUCTION **COMPANY LIMITED**

On the 28th day of OCTOBER , 2014.

NAME	ADDRESS	FOREIGNERS	Nationality Citizens of the Union of Myanmar
	NIL		

I ALSO HEREBY CERTIFY THAT THE COMPANY HAS NOT SINCE THE DATE OF LAST RETURN ISSUED ANY INVITATION TO THE PUBLIC TO SUBSCRIBE FOR ANY SHARES OR DEBENTURE OF THE COMPANY.

SAME SKY CONSTRUCTION CO., LTD.

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

Note-Banking Companies must add a list of all their places of business.

I U MYO AUNG (M.D) do here by certify that the above list and summary truly and correctly state the facts as they stood on the 28th day of OCTOBER , 2014.

Signature

(State whether Director Manager or Secretary)

SAME SKY CONSTRUCTION CO., LTD.

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

THE MYANMAR COMPANIES ACT

———— :O: ————

FORM E.

———— :O: ————

NAME OF THE COMPANY

SAME SKY CONSTRUCTION CO;LTD

REGISTERED OFFICE

NO.(226), WIZAYA PLAZA, 5th FLOOR, U WIZAYA ROAD,
BAHAN TOWNSHIP, YANGON.

MANAGING AGENIS :

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

Summary of share Capital and Shares.

List of Persons holding Shares.

Names and Addresses of Directors.

Names and Addresses of Managers.

Dated, 28th , OCTOBER , 2014

ပတခ(ကသခ) - ၁၉။

စည်းကြပ်မှုအရ ငွေသွင်းချလန်
(ငွေပေးသွင်းသူသို့ ပြန်ပေးရန်ဖြတ်ပိုင်း)

MD-010015

၂၀၀၈ခုနှစ် ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်ဖွဲ့စည်းပုံ အခြေခံဥပဒေ ပုဒ်မ၃၈၉ အရ နိုင်ငံသားတိုင်းသည် ဥပဒေအရ ပေးဆောင်ရမည့် အခွန်အကောက်များကို ပေးဆောင်ရန် တာဝန်ရှိသည်။

ဦးထွန်းထွန်းလင်း

အခွန်ထမ်းလုပ်ငန်း မှတ်ပုံတင်အမှတ် ကသ/၄၄၄၂၃၂/၂၀၁၄-၂၀၁၅

အခွန်ထမ်းအမည်နှင့်လိပ်စာ Same Sky Construction Co;Ltd

အမှတ် ၂၂၆၊ ဝိဇာယပလာဇာ(၅) လွှာ၊ ဦးဝိဇာရလမ်း

၂၀၁၄-၂၀၁၅ စည်းကြပ်နှစ်အတွက် ကုန်သွယ်လုပ်ငန်းခွန်

ကျပ် ၃၇၈၁၃ နှင့်ဒဏ်ငွေကျပ် ၃၇၈၂

စုစုပေါင်းအခွန် ၄၁၅၉၅

ကျပ် လေးသောင်းတစ်ထောင့်ငါးရာ့ကိုးဆယ့်ငါး ကျပ်

ပေးသွင်းသဖြင့် လက်ခံရရှိပါသည်။

ရက်စွဲ၊ 04/Feb/2015

9 FEB 2015

ဘဏ်မန်နေဂျာ

41595

ဘဏ်တံဆိပ်	အခွန်ဆောင်ထားနိုင်ငံသား လေးစားသမှုတို့ဂုဏ်ပြု

၂၀၀၈ခုနှစ် ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်ဖွဲ့စည်းပုံ
အခြေခံဥပဒေပုဒ်မ ၃၈၉ အရ နိုင်ငံသားတိုင်းသည် ဥပဒေအရ
ပေးဆောင်ရမည့် အခွန်အကောက်များကို ပေးဆောင်ရန်
တာဝန်ရှိသည်။

ပတခ(ဝင)၁၉။ MD-010015

(ငွေပေးသွင်းသူသို့ ပြန်ပေးရန်ဖြတ်ပိုင်း)

ဦးထွန်းထွန်းလင်း

အခွန်ထမ်းလုပ်ငန်း မှတ်ပုံတင်အမှတ် ၁၂၇၁/MCO/၂၀၁၄-၂၀၁၅

အခွန်ထမ်းအမည်နှင့်လိပ်စာ Same Sky Construction Co;Ltd

အမှတ် ၂၂၆၊ ဝိဇာယပလာဇာ(၅) လွှာ၊ ဦးဝိဇာရလမ်း

၂၀၁၄-၂၀၁၅ စည်းကြပ်နှစ်အတွက် ဝင်ငွေခွန်

ကျပ် ၆၅၉၃၁၆၈ နှင့်ဒဏ်ငွေကျပ် ၆၅၉၃၁၇

စုစုပေါင်း(ဂဏန်းဖြင့်) -၇၂၅၂၄၈၅

(စာဖြင့်)ကျပ် ခုနှစ်သန်းနှစ်သိန်းငါးသောင်းနှစ်ထောင့်လေးရာ့ရှစ်ဆယ့်ငါး ကျပ်

ပေးသွင်းသဖြင့် လက်ခံရရှိပါသည်။

ရက်စွဲ၊ 04/Feb/2015

ဘဏ်မန်နေဂျာ

ဘဏ်တံဆိပ်	အခွန်ဆောင်ထားနိုင်ငံသား လေးစားသမှုတို့ဂုဏ်ပြု

၂၀၀၈ ခုနှစ် ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်ဖွဲ့စည်းပုံအခြေခံ ဥပဒေပုဒ်မ ၃၈၉ အရ နိုင်ငံသားတိုင်းသည် ဥပဒေအရ ပေးဆောင်ရမည့် အခွန်အကောက်များကို ပေးဆောင်ရန် တာဝန်ရှိသည်။

ပတခ(ကသခ)-၁၇

ကုန်သွယ်လုပ်ငန်းခွန် ဥပဒေပုဒ်မ ၁၄ နှင့် ၁၇ တို့အရ အခွန်စည်းကြပ်တောင်းခံလွှာ
(စည်းမျဉ်း ၁၂ ညွှန်း)

CDN-1977

4-2-2015

သို့

အမည် ၊ **Same Sky Construction Co,Ltd**

လိပ်စာ ၊ အမှတ်(၂၂၆)၊၅လွှာ၊ဝိဇယပလာဇာ၊ဦးဝိစာရလမ်း၊ဗဟန်းမြို့နယ်

လုပ်ငန်းရှင်မှတ်ပုံတင်အမှတ် ၊ ကသ/၄၄၄၂၃၂

၁။ ၂၀၁၄-၂၀၁၅ စည်းကြပ်နှစ် အတွက် ကျောဘက်တွင် အသေးစိတ် ဖော်ပြထားသော အောက်ဖော်ပြပါ ငွေကို ပေးဆောင်ရန် အကြောင်းကြားပါသည်။

(က)	ကုန်သွယ်လုပ်ငန်းခွန်		၃၇၈၁၃	ကျပ်
(ခ)	ဒဏ်ငွေ		၃၇၈၁	ကျပ်
		စုစုပေါင်း	၄၁၅၉၄	

စုစုပေါင်းအခွန် (စာဖြင့်) ကျပ် ....

၂။ ထိုငွေကို.........ရန်ကုန်......မြို့ရှိ မြန်မာ့စီးပွားရေး....ဘဏ် ....(၁)...............သို့

•-------------- နေ့ထက်နောက်မကျစေဘဲ ပွဲတွဲပါငွေသွင်းချလန်များဖြင့် ပေးသွင်းပြီး၊ ဒုမူရင်းကို လက်ခံ / အဖြစ်ရယူ ဘဏ်စာရင်းအမှတ် (   )သို့ စာရင်းလွှဲပြောင်းပေးသွင်း စေလိုပါသည်။

၃။ အထက်အပိုဒ်(၁)တွင်ဖော်ပြထားသောစုစုပေါင်းအခွန်နှင့်ဒဏ်ငွေကိုသတ်မှတ်နေ့မကျော်လွန်မီပေးဆောင်ရန် ပျက်ကွက်လျှင် ပုဒ်မ၂၁ ပုဒ်မခွဲ (စ)အရ အခွန်ငွေ၏ တစ်ဆယ်ရာခိုင်နှုန်းနှင့် ညီမျှသောငွေကို ဒဏ်ငွေအဖြစ် တပ်ရိုက်ခံရမည် ဖြစ်သည့်အပြင် ပုဒ်မ ၂၄ အရ ယင်းငွေများကို အရကောက်ခံရမည်ဖြစ်သောကြောင့် မပျက်မကွက် ပေးဆောင်စေလိုပါသည်။

၄။ အခွန်ကျပ် ၃၀၀၀၀ ထက်ပိုလျှင် အယူခံခွင့်ရှိပါသဖြင့် အယူခံလိုပါက ဤအခွန်တောင်းခံလွှာရသည့်နေ့မှ တစ်လအတွင်း ပုဒ်မ ၁၉ ပုဒ်မခွဲ (က)အရ ....မြို့ရှိ ကုမ္ပဏီများဆိုင်ရာအခွန်ရုံး၌ဌာနမှူး၊ သို့မဟုတ် တိုင်းဒေသကြီး သို့မဟုတ် ပြည်နယ်အခွန်ဦးစီးဌာနမှူးထံ သတ်မှတ်ထားသော အယူခံလွှာပုံစံဖြင့် ဥပဒေအရ လိုအပ်ချက်များနှင့် အညီ ဆောင်ရွက်ပြီး ပေးပို့ရပါမည်။ဤအယူခံလွှာမတင်သွင်းမီ အခွန်ကို အကျေပေးဆောင်ပြီး ဖြစ်ရပါမည်။ သို့မဟုတ် ပြည်နယ်အခွန်ဦးစီးဌာနမှူးထံ လျှောက်ထား၍ ၄င်းကဆုံးဖြတ်သည့်အတိုင်း လိုက်နာဆောင်ရွက်ပြီးဖြစ်ရပါမည်။

လက်မှတ် ....

(ထွန်းထွန်းလင်း) မြို့နယ်အခွန်ဦးစီးဌာနမှူး

ဦးစီးအရာရှိ

ကုမ္ပဏီများဆိုင်ရာအခွန်ရုံး..................မြို့နယ်

ရုံးတံဆိပ်

စည်းကြပ်နှစ်အတွက် စည်းကြပ်မှု ပုံစံ

အမည် ၊ Same Sky Construction Co,Ltd
အမှတ်(၂၂၆)၊၅လွှာ၊ဦးဝိစာရလမ်း၊
ဝိဇယပလာဇာ၊ဗဟန်းမြို့နယ်

ရန်ကုန် တိုင်းဒေသကြီး/ပြည်နယ်
အခွန်ထမ်းမှတ်ပုံတင်အမှတ် ၊ ကသ/၄၄၄၂၃၂

အမှတ်စဉ်	လုပ်ငန်းအမျိုးအစား	သတ်မှတ်သည့်ရောင်းရငွေ သို့မဟုတ် ရငွေပေါင်း	အခွန်နှုန်း	ကျသင့်အခွန်(ကျပ်)
	ကုန်စည်ထုတ်လုပ်ရောင်းချခြင်းလုပ်ငန်း ထုတ်လုပ်သည့်ကုန်စည်အမျိုးအမည် ၁။ .... ၂။ .... ၃။ .... ၄။ .... ၅။ .... ဝန်ဆောင်မှုလုပ်ငန်း ဆောင်ရွက်သည့် ဝန်ဆောင်မှုလုပ်ငန်းအမျိုးအစား ၁။ .... ၂။ .... ၃။	၁၄၀၉၇၆၀၀		၆၇၁၃၁၄
	၄။ .... ၅။ .... စုစုပေါင်း	၁၄၀၉၇၆၀၀		၆၇၁၃၁၄
	နှုတ်ပုဒ်မ၁၂အရလစဉ်ပေးဆောင်ပြီးအခွန်ငွေ သို့မဟုတ် မူလစည်းကြပ်မှုအရပေးဆောင်ပြီးအခွန်ငွေ			၆၃၃၅၀၁
	ထပ်မံပေးဆောင်ရန်အခွန်ငွေ			၃၇၈၁၃

၂၀၀၈ ခုနှစ် ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်ဖွဲ့စည်းပုံအခြေခံ ဥပဒေပုဒ်မ ၃၈၉ အရ နိုင်ငံသားတိုင်းသည် ဥပဒေအရ ပေးဆောင်ရမည့် အခွန်အကောက်များကို ပေးဆောင်ရန် တာဝန်ရှိသည်။

ပတခ(ဝင)-၈

1271/MCO

ဝင်ငွေခွန်ဥပဒေပုဒ်မ ၅၃ အရ အခွန်တောင်းခံလွှာ

အခွန်ထမ်းမှတ်ပုံတင်စာရင်းအမှတ် CDN-6364

4-2-2015

သို့

Same Sky Construction Co,Ltd

အမှတ်(၂၂၆)၊၅လွှာ၊ဝိဇယပလာဇာ၊ဦးဝိစာရလမ်း၊ဗဟန်းမြို့နယ်

၁။ ၂၀၁၄ - ၂၀၁၅ စည်းကြပ်နှစ် အတွက် လူကြီးမင်းသည် ကျောဘက်ပါပုံစံတွင် အသေးစိတ်ဖော်ပြထားချက်အရ အောက်ပါငွေကို ပေးဆောင်ရန် အကြောင်းကြားပါသည်။

	ကျပ်	ပြား
(က) ဝင်ငွေခွန်	၆၅၉၃၁၆၈	
(ခ) ပုဒ်မ ၁၆ (ဈ) အရ ဒဏ်ငွေ	၆၅၉၃၁၇	
(ဂ) ပုဒ်မ ၄၀ (က) အရ ဒဏ်ငွေ		
(ဃ) ပုဒ်မ ၄၆ (က) အရ ဒဏ်ငွေ		
(င) ပုဒ်မ ၄၇ (ခ) အရ ဒဏ်ငွေ		
(စ) ပုဒ်မ ၄၇ (ဂ) အရ ဒဏ်ငွေ		
စုစုပေါင်း	၇၂၅၂၄၈၅	

၂။ အထက်ဖော်ပြပါ ငွေစုစုပေါင်းကို..............မြို့ရှိ သက်ဆိုင်ရာဘဏ်တွင် ....နေ့၌ဖြစ်စေ ထိုနေ့မတိုင်မီဖြစ်စေ ပူးတွဲပါ ငွေသွင်းပြေစာပုံစံဖြင့် ပေးသွင်းပြီး ငွေလက်ခံ ဖြတ်ပိုင်းကို ရယူလိုပါသည်။

၃။ အထက်အပိုဒ်(၁)တွင်ဖော်ပြထားသည့်အခွန်နှင့်ဒဏ်ငွေစုစုပေါင်းကို ပေးဆောင်ရန် ပျက်ကွက်ပါက ပုဒ်မ ၄၀(က)အရထိုငွေတောင်းခံငွေ စုစုပေါင်းနှင့်ညီမျှသည်အထိ ဒဏ်ငွေ တပ်ရိုက်ခြင်းနှင့် တရားဆွဲဆို အရကောက်ခံခြင်း ခံရဖွယ်ရှိပါ၍ မပျက်မကွက် ပေးဆောင်စေလိုပါသည်။

၄။ စည်းကြပ်မှုကို ပုဒ်မ၁၉ (ဃ)အရ ပြုလုပ်ထားသည်မှာ လူကြီးမင်းသည်- ပုဒ်မ ၁၇ အရ ဝင်ငွေကြေညာလွှာတင်သွင်းရန် ____ ပျက်ကွက်ခဲ့ခြင်းကြောင့် ဖြစ်ပါသည်။ ပုဒ်မ၁၉(ခ)အရ လိုအပ်သည့် အတိုင်း ဆောင်ရွက်ရန်

၅။ စည်းကြပ်မှု သို့မဟုတ် ဒဏ်ငွေတပ်ရိုက်မှုကို အယူခံလိုပါက အကြောင်းကြားစာ ရရှိပြီး ကပ်လျက်ဖြစ်သော နောက်နေ့မှ ရက်ပေါင်း ၃၀ အတွင်း ဝင်ငွေခွန်ဥပဒေပုဒ်မ ၃၂(က)အရ..................မြို့ရှိ ....တိုင်းဒေသကြီး/ပြည်နယ်အခွန်ဦးစီးဌာနမှူးရုံး သို့မဟုတ် ကုမ္ပဏီများဆိုင်ရာအခွန်ရုံး သို့ပြဋ္ဌာန်းထားသော အယူခံပုံစံဖြင့် စည်းကမ်းနည်းလမ်းများအတိုင်း ဆောင်ရွက်ပြီး အယူခံလွှာကို တင်သွင်းရန်ဖြစ်ပါသည်။ ထို့ပြင် အယူခံမဝင်မီ အခွန်ငွေကို ပေးဆောင်ပြီးဖြစ်ရပါမည်။သို့မဟုတ် .....မြို့နယ်အခွန်ဦးစီးဌာနမှူးထံ ဆိုင်ရာပြဋ္ဌာန်းချက်များအရ လျှောက်ထား၍ ယင်း၏ ဆုံးဖြတ်ချက်အတိုင်း ဆောင်ရွက်ပြီးဖြစ်ရပါမည်။

(ထွန်းထွန်းလင်း)
ဦးစီးအရာရှိ
ကုမ္ပဏီများဆိုင်ရာအခွန်ရုံး

မြို့နယ်အခွန်ဦးစီးဌာနမှူး
..................မြို့နယ်

ရုံးတံဆိပ်

နေ့စွဲ ....

ဝင်ငွေအမျိုးအစားအလိုက်သတ်မှတ်မှု

ဝင်ငွေရလမ်း	သတ်မှတ်သည့်ဝင်ငွေ
၁။ လစာ ၂။ အသက်မွေးဝမ်းကျောင်းပညာလုပ်ငန်း ၃။ စီးပွားရေးလုပ်ငန်း ၄။ ပစ္စည်း ၅။ အခြေပစ္စည်း ၆။ အခြေပစ္စည်းမှ မြတ်စွန်းငွေ ၇။ အခြားရလမ်းများမှဝင်ငွေ	၄၉၀၁၀၂၉၅၅
စုစုပေါင်း	၄၉၀၁၀၂၉၅၅
* သက်သာခွင့်များ	-
အခွန်စည်းကြပ်ရန်အသားတင်ဝင်ငွေ	၄၉၀၁၀၂၉၅၅
ကျသင့်ဝင်ငွေခွန်	၁၂၂၅၂၅၇၃၉
နုတ်- ပုဒ်မ ၁၆ အရ ပေးဆောင်ပြီးအခွန်	၁၁၅၉၃၂၅၇၁
ပေးဆောင်ရန်ကျန်/ပြန်အမ်းရန်အခွန်	၆၅၉၃၁၆၈

* **သက်သာခွင့်များ**

(၁) အခြေခံ ကျပ် ....

(၂) အိမ်ထောင်ဖက်အတွက် ကျပ် ....

(၃) သားသမီးများအတွက် ကျပ် ....

(၄) အခွန်ထမ်းနှင့်အိမ်ထောင်ဖက်၏ အသက်အာမခံအတွက် ကျပ် ....

(၅) စုဆောင်းငွေအတွက် ကျပ် ....

(၆) လှူဒါန်းငွေအတွက် ကျပ် ....

စုစုပေါင်း ကျပ်

SAME SKY CONSTRUCTION COMPANY LIMITED

Financial Statements:

Period : For the Year ended March 31, 2014

SAME SKY CONSTRUCTION COMPANY LIMITED

Statement of Financial Position as at March 31, 2014

Assets			**Kyats**
Fixed Assets (Less: Depreciation)	**Sch: (1)**		179,531,906.40
Current Assets			
Cash in Hand (Kyat)	**Sch: (2)**	11,642,388.02	
Cash at Bank (USD 2,037.13)	**Sch: (3)**	1,969,904.71	
Prepaid Income Tax	**Sch: (4)**	115,932,571.00	
Deposite Bank Guarantee	**Sch: (5)**	491,789,518.00	
			621,334,381.73
Excess Income Tax per Assessment Order			390,524,007.12
Advance Commercial Tax (2013-2014 FY)			633,501.00
Advance Income Tax (2013-2014 FY)			249,655.00
Deferred Cost for Installation		**Unit 141,500.00**	283,000,000.00
			1,475,273,451.25
Capital & Liabilities			
Authorised Capital			1,000,000,000.00
10,000 Shares of Ks. 100,000/- each			
Issued & Paid Up Capital			100,000,000.00
1,000 Shares of Ks.100,000/-each (Fully Paid Up)			
Advance Capital			70,000,000.00
Retained Earning / (Loss)			386,273,451.25
Current Liabilities			
Directors' Contribution			919,000,000.00
Account Payable			-
			1,475,273,451.25

Myo Aung
Managing Director
Same Sky Construction Co., Ltd.

Aye Aye Mon
Director
Same Sky Construction Co., Ltd.

SAME SKY CONSTRUCTION COMPANY LIMITED

Statement of Comprehensive Income for the Year ended, March 31, 2014

SAME SKY CONSTRUCTION CO., LTD.

Income			**Kyats**
Project Income	**Sch: (6)**		5,821,628,530.00
Import Sales	**Sch: (7)**		14,097,600.00
			5,835,726,130.00
Less: Project Expenses	**Sch: (8)**	5,560,065,681.68	
Import Cost	**Sch: (9)**	13,486,729.00	
			5,573,552,410.68
Gross Profit/(Loss)			262,173,719.32
Less: Expenditure			
Administration Expenses	**Sch: (10)**	146,076,710.89	
Financial Expenses- Depreciation		19,845,282.18	
			165,921,993.07
Net Profit/(Loss) for the Year			**96,251,726.25**

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

Aye Aye Mon
Director
Same Sky Construction Co., Ltd.

SAME SKY CONSTRUCTION COMPANY LIMITED

Profit & Loss Appropriation Account for the year ended

31, March 2014

		Kyats
Opening Balance		(2,206,557.12)
Assessment Year 2011-2012		
Income As Per Assessment Order	388,317,450.00	
Less: Income As Per Audit Report	(2,206,557.12)	
Excess Income	390,524,007.12	
Income Tax & Fine	98,295,725.00	
		292,228,282.12
Net Profit/(Loss) for the year		96,251,726.25
Net Profit/(Loss) at the end of the Year		**386,273,451.25**

Myo Aung
Managing Director
Same Sky Construction Co.,Ltd.

Aye Aye Mon
Director
Same Sky Construction Co., Ltd.

SAME SKY CONSTRUCTION COMPANY LIMITED

STATEMENT OF DIRECTORS

In accordance with Section 133 (1) (2) of The Myanmar Companies Act, we, and being Directors of **"SAME SKY CONSTRUCTION COMPANY LIMITED"** do hereby state that in the opinion of the Directors, the accompanying Accounts made up to **March 31, 2014.** Schedules and Notes to the Financial Statements are drawn up so as to give a true and correct view of the state affairs of the Company and of the result of the Company for the year ended **March 31, 2014.**

We believe that the Company will be able to pay its debts as and when they fall due.

On behalf of the Board of Directors,

DIRECTOR	**DIRECTOR**
Myo Aung Managing Director Same Sky Construction Co., Ltd.	Aye Aye Mon Director Same Sky Construction Co., Ltd.

Daw San Kyi

B.Com(Q),C.P.A

Certified Public Accountant

AUDITOR & FINANCIAL CONSULTANT

DAW SAN KYI
Certified Public Accountant
No ....
Date ....

REPORT OF THE AUDITOR

TO THE MEMBER OF

"SAME SKY CONSTRUCTION COMPANY LIMITED"

- I have audited the accounts which are signed by Directors in accordance with the provisions of the Myanmar Companies Act of "SAME SKY CONSTURCTION COMPANY LIMITED" for the year ended March 31, 2014 in accordance with Generally Accepted Auditing Practice and Standards.

- In accordance with Section 145(1) (2) of The Myanmar Companies Act, I report that I have obtained all the information and explanations I have required.

- The Company maintained Cash Book, General Ledger, Registers and other Documents in accordance with Section 130 of The Myanmar Companies Act.

- Finally, I report that The Company's Accounts are shown that True and Fair view of the Company's Financial Position.

(SAN KYI)
B Com (Q); C. P. A
Certified Public Accountant
Auditor & Financial Consultant

SAME SKY CONSTRUCTION COMPANY LIMITED

Schedule for the Fixed Assets as at 31.3.2014

Sch: (1)

Sr. No.	Particular	Original Value (Ks.)	Addition Value (Ks.)	Total Value 31 . 3 . 2014 (Ks.)	Dep^n: Rate	Depreciation 1.4.2013	Depreciation for the year	Depreciation Total Dep^n	Net Book Value 31.3.2014 (Ks.)
1	Machinery	15,358,000.00	-	15,358,000.00	10%	6,143,200.00	1,535,800.00	7,679,000.00	7,679,000.00
2	Vechicle (Concrete Mixer Truck)	74,684,620.00	-	74,684,620.00	12.5%	18,671,155.00	9,335,577.50	28,006,732.50	46,677,887.50
3	Plastic Box	50,455,716.40	-	50,455,716.40	10.0%	2,522,785.82	5,045,571.64	7,568,357.46	42,887,358.94
4	Rec: Excavator B7-5A	-	80,455,993.00	80,455,993.00	12.5%	-	3,352,333.04	3,352,333.04	77,103,659.96
5	Combine Transformer (12 Nos) (10.9.2013) (Transfer from Trading Co.,Ltd)		5,760,000.00	5,760,000.00	20.0%	-	576,000.00	576,000.00	5,184,000.00
	Total	**140,498,336.40**	**86,215,993.00**	**226,714,329.40**		**27,337,140.82**	**19,845,282.18**	**47,182,423.00**	**179,531,906.40**

SAME SKY CONSTRUCTION COMPANY LIMITED

Schedule for the Fixed Assets as at 31 . 3 .2014

Import Duty & Commercial Tax Sch: (1.a)

No.	Particular	Import Purchase		Licence (Ks.)	Duty (Ks.)	Commercial Tax (Ks.)	Other Tax & Fine	Bank Commission		Other Expenses (Ks.)	AV of 2% Income Tax (Ks.)	Total (Ks.)
		$	Ks.					$	Ks.			
1	IL-2/12-13/1763 (22.10.2013) ID-157751 Rec: Excavator B7-5A	75,600.00	72,349,200.00	50,000.00	734,832.00	3,710,902.00	916,480.00	95.00	90,915.00	1,134,000.00	1,469,664.00	80,455,993.00
	Total	**75,600.00**	**72,349,200.00**	**50,000.00**	**734,832.00**	**3,710,902.00**	**916,480.00**	**95.00**	**90,915.00**	**1,134,000.00**	**1,469,664.00**	**80,455,993.00**

SAME SKY CONSTRUCTION COMPANY LIMITED

2013 - 2014

Schedules

Cash in Hand (Kyat)

				Sch: (2)
				Kyats
Opening Balance (1.4.2013)				59,000,921.10
Receipt				
Issued & Paid Up Capital (300 Shares @ Ks.100,000/-each)				30,000,000.00
Import Sales				14,097,600.00
Received of Deposite Bank Guarantee				130,137,113.00
Project Income				5,423,353,530.00
Directors' Contribution				919,000,000.00
				6,575,589,164.10
Payment				
Refund Paid To Authority				
2% Withholding Tax			107,967,071.00	
Tax (2013-2014 Ass: Year)			13,829,983.40	
Deposite Bank Guarantee			368,557,018.00	
Account Transfer Purchase	$	83,000.00	79,680,000.00	
Paid To Same Sky Trading Co.,Ltd			1,745,113,750.00	
Import Direct Cost (Fixed Assets)			8,015,878.00	
Import Direct Cost			1,197,892.00	
Advance Commercial Tax (2013-2014 FY)			633,501.00	
Advance Income Tax (2013-2014 FY)			249,655.00	
Project Expenses- Material			1,523,545,486.00	
Project Expenses- Direct Cost			2,563,166,445.68	
Administration Expenses			146,029,900.00	
Import Purchase	$	6,228.00	5,960,196.00	
				6,563,946,776.08
Closing Balance (31.3.2014)				**11,642,388.02**

SAME SKY CONSTRUCTION COMPANY LIMITED

2013 - 2014

Schedules

Statement of Cash At Bank A/C No.FDS 10 1272 — **Sch: (3)**

		US$	**Kyats**
Opening Balance (1.4.2013)		1,345.13	1,105,471.60
Receipt			
Account Transfer Purchase		83,000.00	79,680,000.00
Payment		84,345.13	80,785,471.60
Import Purchase (Fixed Assets)	75,600.00		
Import Bank Charges (Fixed Assets)	95.00		
Import Purchase	6,588.00		
Import Bank Charges	25.00		
		82,308.00	78,768,756.00
Exchanged Gain/(Loss)		-	46,810.89
Closing Balance (31.3.2014)		**2,037.13**	**1,969,904.71**

Withholding Tax — **Sch: (4)**

	Kyats
Opening Balance	84,465,741.60
Advance 2% Income Tax	7,965,500.00
	92,431,241.60
Less: 2013-2014 Ass: Yr	84,465,741.60
	7,965,500.00
Add: 2% Income Tax	107,967,071.00
	115,932,571.00

SAME SKY CONSTRUCTION COMPANY LIMITED

2013-2014

Schedules

Project Income

Sch: (6)

No.	No.	Date	Description	Project Income (Kyats)	Bank Guarantee Payment (Kyats)	2% Income Tax (Kyats)
			Account Receivable			
I		24.1.2013	**Electronic Meters In Nay Pyi Taw (50,000 Unit)**			
	1	14.3.2014	Single Phase Two Wire Electronic Meters (10/30)A Type DSW-1 များ ပြောင်းလဲ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်သို့ ပြောင်းလဲခြင်း။	5,000,000.00		
		28.6.2013	**Electronic Meters In Nay Pyi Taw (50,000 Unit)**			2,000,000.00
			Electronic Meter များ ပြောင်းလဲ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်သို့ ပြောင်းလဲခြင်းအတွက် ကုန်ကျစရိတ် (Installation Fees) တိုးမြင့် သတ်မှတ်ခြင်း။	95,000,000.00	2,500,000.00	
				100,000,000.00	**2,500,000.00**	**2,000,000.00**
III		11.1.2013	**Electronic Meters In Yangon (25,000 Unit)**			
	1	11.3.2014	Installation Fees (Receivable)	25,000,000.00		
				25,000,000.00	**-**	**-**

Project Income

Sch: (6)

No.	Date	Description	Project Income (Kyats)	Bank Guarantee Payment (Kyats)	2% Income Tax (Kyats)
		Project Income			
III	4.3.2013	**Electronic Meters In Yangon (25,000 Unit)**			
1	22.3.2013 (Previous Year Advance)	Single Phase Two Wire Electronic Meters (10/30)A Type DSW-1 များ တပ်ဆင်ရန် လိုအပ်သော Accessories များပေးသွင်းခြင်း၊ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်သို့ ပြောင်းလဲခြင်း။	398,275,000.00		7,965,500.00
2	10.5.2013		398,275,000.00		7,965,500.00
			796,550,000.00	-	**15,931,000.00**
IV	24.6.2013	**Electronic Meters In Nay Pyi Taw (50,000 Unit)**			
	16.7.2013	Single Phase Two Wire Electronic Meters (10/30)A Type DSW-1 များ တပ်ဆင်ရန် လိုအပ်သော Accessories များပေးသွင်းခြင်း၊ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်ဖြင့် ဖတ်ရှုမှတ်တမ်းတင်ခြင်းလုပ်ငန်း။	823,250,000.00		16,465,000.00
	20.8.2013		823,250,000.00		16,465,000.00
			1,646,500,000.00	**87,325,000.00**	**32,930,000.00**
V	30.7.2013	**Electronic Meters In Yangon (157,900 Unit)**			
	4.9.2013	Single Phase Two Wire Electronic Meters (10/30)A Type Digital Meter များ တပ်ဆင်ရန် လိုအပ်သော Accessories များပေးသွင်းခြင်း၊ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်ဖြင့် ဖတ်ရှုမှတ်တမ်းတင်ခြင်းလုပ်ငန်း။	779,947,050.00		15,598,941.00
	26.10.2013		200,000,000.00		4,000,000.00
	25.11.2013		200,000,000.00		4,000,000.00
	17.12.2013		200,000,000.00		4,000,000.00
	6.1.2014		200,000,000.00		4,000,000.00
	14.3.2014		400,000,000.00		8,000,000.00
	8.3.2014		200,000,000.00		4,000,000.00
	21.3.2014	Advance	600,000,000.00		12,000,000.00
			2,779,947,050.00	**275,772,350.00**	**55,598,941.00**

Project Income Sch: (6)

No.	No.	Date	Description	Project Income (Kyats)	Bank Guarantee Payment (Kyats)	2% Income Tax (Kyats)
VI		21.2.2014	**<u>Electronic Meters In Nay Pyi Taw (228 Unit)</u>** 3 Phase Meter Transparent Box with Breaker နှင့် Installation Accessories Cost ဝယ်ယူရန် နှစ်ဦးသဘောတူ အရောင်းအဝယ်စာချုပ်။	29,596,680.00	2,959,668.00	591,934.0
VII		25.3.2014 31.3.2014	**<u>Electronic Meters In Nay Pyi Taw (Extra-3)</u>** Electronic Meter များ ပြောင်းလဲ တပ်ဆင်ခြင်း နှင့် Remote Meter Reading စနစ်သို့ ပြောင်းလဲခြင်း ဆက်စပ် ပစ္စည်းလိုအပ်မှု ဖြည့်ဆည်း ဝယ်ယူခြင်း လုပ်ငန်း။	444,034,800.00	-	8,880,696.0
			TOTAL	**5,821,628,530.00**	**368,557,018.00**	**115,932,571.00**

[illegible] CONSTRUCTION COMPANY LIMITED
2013-2014
Schedules

Import Purchase & Sales **Sch: (7)**

Sr. No.	Licence No. & Commodity	Unit	Import Purchase		Import Sales	
			Qty.	Amt ($)	Qty.	Amt (kyat)
1	Non Licence					
	Ceramic Tile (80x80) CM	Pcs	1,647.00	6,588.00	1,647.00	7,246,800.00
	Ceramic Tile (20x20) CM, (60x20)CM, (80x80)CM	Pcs	-	6,228.00	-	6,850,800.00
	GRAND TOTAL		-	**12,816.00**		**14,097,600.00**

SAME SKY CONSTRUCTION COMPANY LIMITED
2013-2014
Schedules

Sch (8)

ises

Kyats

Particular	Electronic Meters In Nay Pyi Taw (50,000 Unit) (24.1.2013)	Electronic Meters In Yangon (25,000 Unit) (11.1.2013)	Electronic Meters In Yangon (25,000 Unit) (4.3.2013)	Electronic Meters In Nay Pyi Taw (50,000 Unit) (24.6.2013)	Electronic Meters In Yangon (157,900 Unit) (30.7.2013)	Electronic Meters In Pyi Taw (228 Unit) (21.2.2014)
	Ks.	Ks.	Ks.	Ks.	Ks.	Ks.
h: (8-a)			465,693,750.00	1,031,587,500.00	1,620,017,178.00	18,153,438
Charges			35,000,000.00	60,000,000.00	93,100,000.00	274,000
arges			45,250,000.00	95,000,000.00	327,500,000.00	3,750,000
llowance			10,000,000.00	20,000,000.00	31,033,000.00	137,000
sors' & Other Expenses	19,250,000.00	8,250,000.00	10,000,000.00	20,000,000.00	26,600,000.00	
rtation Charges			92,250,000.00	197,800,000.00	256,025,000.00	2,584,600
aneous Expenses			5,250,000.00	14,500,000.00	19,309,000.00	57,000
Accessories			7,000,000.00	19,250,000.00	26,757,500.00	76,000
use Charges			30,000,000.00	10,500,000.00	30,000,000.00	
Allowance			1,000,000.00	2,000,000.00	6,000,000.00	9,000
harges for Bank Guarantee	25,000.00		410,775.00	873,250.00	2,757,724.00	29,596
		590,000.00				
d Cost for Installation Fees	5,000,000.00	12,000,000.00				
ion Fees(Contract)	95,000,000.00	13,000,000.00	50,000,000.00	100,000,000.00	133,000,000.00	
ion Fees(Extra)	55,000,000.00	52,500,000.00	27,500,000.00	55,000,000.00	73,150,000.00	
tting Fees	50,000,000.00	25,000,000.00	25,000,000.00	50,000,000.00	66,500,000.00	
Total	**224,275,000.00**	**111,340,000.00**	**804,354,525.00**	**1,676,510,750.00**	**2,711,749,402.00**	**25,070,634**

Sch (8)

Kyats

Project Expenses

Particular	Electronic Meters In Nay Pyi Taw (Extra-3) (25.3.2014)	Total
	Ks.	Ks.
<u>Material Sch: (8-a)</u>	**127,447,370.00**	**3,262,899,236.00**
<u>Direct Cost</u>		-
Labour Charges	33,691,000.00	222,065,000.00
POL Charges	51,900,000.00	523,400,000.00
Meal Allowance	11,230,000.00	72,400,000.00
Supervisors' & Other Expenses	-	84,100,000.00
Transportation Charges	48,283,000.00	596,942,600.00
Miscellaneous Expenses	7,019,000.00	46,135,000.00
Tools & Accessories	9,405,000.00	62,488,500.00
Warehouse Charges	-	70,500,000.00
Living Allowance	790,000.00	9,799,000.00
Bank Charges for Bank Guarantee		4,096,345.68
Fine		590,000.00
Deferred Cost for Installation Fees		17,000,000.00
Installation Fees(Contract)		391,000,000.00
Installation Fees(Extra)		263,150,000.00
Zero Setting Fees		216,500,000.00
		-
Total	**289,765,370.00**	**5,843,065,681.68**

SAME SKY CONSTRUCTION COMPANY LIMITED
2013-2014
Schedules

ject Expenses

Particular	Electronic Meters In Yangon (25,000 Unit) (4.3.2013)			Electronic Meters In Nay Pyi Taw (50,000 Unit) (24.6.2013)			Electronic Meters In Yangon (15 (30.7.2013)		
	Qty	Rate	Ks.	Qty	Rate	Ks.	Qty	Rate	
nsfer from Same Sky Trading									
aterial									
Unit Transparent Box	6,250.00	21,900.00	136,875,000.00	12,500.00	21,900.00	273,750,000.00	23,750.00	21,900.00	5
iniature Circuit Breaker 32A	25,000.00	1,300.00	32,500,000.00	50,000.00	1,300.00	65,000,000.00	157,900.00	1,300.00	2
Unit Transparent Box									
Ø Transparent Box									
32A 4P									
62A 4P									
80A 4P									
ccessories									
4 Unit 1Ø Frame	25,000.00	1,700.00	42,500,000.00	50,000.00	1,700.00	85,000,000.00	92,920.00	1,700.00	1
Pipe Clip	25,000.00	300.00	7,500,000.00	50,000.00	300.00	15,000,000.00	77,054.00	300.00	
mage MCB 32A				8,000.00	1,300.00	10,400,000.00	39,100.00	1,300.00	
rchase									
oow	12,500.00	1,160.00	14,500,000.00	50,000.00	1,160.00	58,000,000.00	29,866.00	1,160.00	
m^2 wire	400,000.00	465.00	186,000,000.00	800,000.00	465.00	372,000,000.00	1,080,000.00	465.00	5
mm^2 wire									
se	25,000.00	215.00	5,375,000.00	50,000.00	215.00	10,750,000.00	67,000.00	215.00	
" Pipe 10'	12,500.00	2,432.00	30,400,000.00	50,000.00	2,432.00	121,600,000.00	29,866.00	2,432.00	
cessories									
Half Clamp Combine	6,250.00	1,110.00	6,937,500.00	12,500.00	1,110.00	13,875,000.00	23,000.00	1,110.00	
1/2x4" Bolt	18,750.00	84.00	1,575,000.00	37,500.00	84.00	3,150,000.00	82,368.00	84.00	
1/2x4" Nut	31,250.00	21.00	656,250.00	62,500.00	21.00	1,312,500.00	148,914.00	21.00	
3/8x1" Bolt & Nut	25,000.00	35.00	875,000.00	50,000.00	35.00	1,750,000.00	92,920.00	35.00	
Pipe Clip (Local)									
3 Phase Frame									
Total			**465,693,750.00**			**1,031,587,500.00**			**1,6**

SAME SKY CONSTRUCTION COMPANY LIMITED
2013-2014
Schedules

S

ect Expenses

Particular	Electronic Meters In Nay Pyi Taw (228 Unit) (21.2.2014)			Electronic Meters In Nay Pyi Taw (Extra-3) (25.3.2014)			TOTAL	
nsfer from Same Sky Trading	**Qty**	**Rate**	**Ks.**	**Qty**	**Rate**	**Ks.**	**Qty**	
aterial								
Jnit Transparent Box			-	1,946.00	21,900.00	42,617,400.00	44,446.00	97
niature Circuit Breaker 32A							232,900.00	30
Jnit Transparent Box				225.00	31,000.00	6,975,000.00	225.00	
Transparent Box	228.00	10,500.00	2,394,000.00	697.00	10,500.00	7,318,500.00	925.00	
32A 4P	88.00	2,500.00	220,000.00				88.00	
62A 4P	73.00	2,850.00	208,050.00				73.00	
80A 4P	67.00	3,200.00	214,400.00				67.00	
cessories								
4 Unit 1Ø Frame				28,076.00	1,700.00	47,729,200.00	195,996.00	33
Pipe Clip				19,490.00	300.00	5,847,000.00	171,544.00	5
mage MCB 32A							47,100.00	6
rchase								
bow	456.00	1,160.00	528,960.00	9,696.00	1,160.00	11,247,360.00	102,518.00	11
m^2 wire							2,280,000.00	1,06
mm^2 wire	5,928.00	1,135.00	6,728,280.00				5,928.00	
se	684.00	475.00	324,900.00				142,684.00	3
" Pipe 10'	228.00	2,432.00	554,496.00				92,594.00	22
cessories								
Half Clamp Combine	1,394.00	1,110.00	1,547,340.00				43,144.00	4
1/2x4" Bolt	1,368.00	84.00	114,912.00	30,864.00	84.00	2,592,576.00	170,850.00	1
1/2x4" Nut	2,280.00	21.00	47,880.00	50,354.00	21.00	1,057,434.00	295,298.00	
3/8x1" Bolt & Nut	912.00	35.00	31,920.00	58,940.00	35.00	2,062,900.00	227,772.00	
Pipe Clip (Local)	1,824.00	615.00	1,121,760.00				1,824.00	
3 Phase Frame	456.00	9,027.50	4,116,540.00				456.00	
Total			**18,153,438.00**			**127,447,370.00**		**3,20**

SAME SKY CONSTRUCTION COMPANY LIMITED
2013 - 2014
Schedules

Import Cost of Sales

				Sch: (9)
				Kyats
Import Purchase			$ 12,816.00	12,264,912.00
Import Direct Cost				
Import Duty	**Sch: (9-a)**		187,242.00	
Security Fees	**Sch: (9-a)**		20,000.00	
Agent Fees			180,000.00	
Port Charges			200,000.00	
Labour			150,000.00	
Transportation Charges (CNT)			200,000.00	
Travelling Cost to Nay Pyi Taw			180,000.00	
Bank Charges (Kyat)			5,000.00	
Bank Charges		$ 25.00	23,925.00	
Miscellaneous			75,650.00	
				1,221,817.00
				13,486,729.00

Import Duty & Commercial Tax — **Sch: (9-a)**

No.	Licence No.	ED No.	Import $	Licence Fees (Ks.)	Import Duty (Ks.)	Commercial Tax (Ks.)	AV of 2% IRD Tax (Ks.)	Security Fees (Ks.)	Total (Ks.)
1	Non Licence	160780 (21.11.2013)	6,588.00	-	96,251.00	325,648.00	128,334.00	-	550,233.00
2	Non Licence	192298 (12.3.2014)	6,228.00	-	90,991.00	307,853.00	121,321.00	20,000.00	540,165.00
	Total		**12,816.00**	-	**187,242.00**	**633,501.00**	**249,655.00**	**20,000.00**	**1,090,398.00**

SAME SKY CONSTRUCTION COMPANY LIMITED

2013 - 2014

Schedules

Administration Expenses

	Sch: (10)
	Kyats
Salaries	2,400,000.00
Travelling Expenses	44,856,000.00
Communication Expenses	33,458,000.00
Fuel & Oil	28,365,000.00
Printing & Stationery	6,945,000.00
Electricity	3,245,800.00
News Paper & Periodical Expenses	724,500.00
Repair & Maintenance	9,245,000.00
Office Supply	3,245,600.00
Entertainment	4,450,000.00
Donation	3,850,000.00
Miscellaneous Expenses	5,245,000.00
Exchanged Gain/(Loss)	46,810.89
	146,076,710.89

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 16

Memorandum and Articles of Association

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

13612

သို့

ညွှန်ကြားရေးမှူးချုပ်
ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများညွှန်ကြားမှု ဦးစီးဌာန
အမှတ် (၁)၊ သစ္စာလမ်း၊ ရန်ကင်းမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ (၉) ရက်

အကြောင်းအရာ။ **ကုမ္ပဏီအမည်စစ်ဆေးခွင့်နှင့်ကုမ္ပဏီဆိုင်ရာမှတ်ပုံတင်လိုပါသဖြင့် တင်ပြခြင်း**
(မြန်မာ/အင်္ဂလိပ် နှစ်မျိုးဖြင့် ဖော်ပြပေးပါရန်)

၁။ ကျွန်တော်/ကျွန်မတို့သည် အောက်ပါ အမည်ဖြင့် ကုမ္ပဏီဖွဲ့စည်း မှတ်ပုံတင် လိုပါသဖြင့် ကုမ္ပဏီ အမည်အား စစ်ဆေးပေးနိုင်ပါရန်ကုမ္ပဏီဆိုင်ရာအချက်အလက်များနှင့်အတူ ပူးတွဲတင်ပြလျှောက်ထားအပ်ပါသည်။ (အမည်တူ/လုပ်ငန်းကွဲ ကုမ္ပဏီဖြစ်ပါက ဖော်ပြရန်)

(မြန်မာ) အေးရှား အေဗွာ ဂက်(စ်) ကုမ္ပဏီလီမိတက်

(အင်္ဂလိပ်) Asia AVA GAS COMPANY LIMITED

(လုပ်ငန်း) ရေနံ ဓာတ်ငွေ့ရည် တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း

၂။ သတ်မှတ်မတည်ငွေရင်း အမေရိကန် ဒေါ်လာ ၆၀ သိန်း

ရှယ်ယာတစ်စုတန်ဖိုး အမေရိကန် ဒေါ်လာ ၁

အစုရှယ်ယာပေါင်း သိန်း ၆၀

ကနဦးထည့်ဝင်မည့်မတည်ငွေရင်း အမေရိကန် ဒေါ်လာ ၁၅၀၀၀၀

၃။ သင်းလုံးကျွတ် အစည်းအဝေးက တစ်စုံတစ်ရာ သတ်မှတ်ပြဋ္ဌာန်းမှု မပြုလုပ်သမျှ ဒါရိုက်တာများ၏ အရေအတွက်သည် (၂) ဦး ထက်မနည်း၊ (၁၉) ဦးထက် မများစေရ။

၄။ ဒါရိုက်တာတစ်ဦး ဖြစ်မြောက်ရန် လိုအပ်သော အရည်အချင်းသည် ကုမ္ပဏီ၏ အစုရှယ်ယာ အနည်းဆုံး (၁) ကို ပိုင်ဆိုင်ခြင်းဖြစ်၍ ၎င်းသည် မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေ ပုဒ်မ ၈၅ ပါ ပြဋ္ဌာန်းချက်များကို လိုက်နာရန် တာဝန်ရှိသည်။

၅။ ကုမ္ပဏီရုံးခန်းလိပ်စာနှင့် ဆက်သွယ်ရန် ဖုန်းနံပါတ်

(ရုံးခန်းလိပ်စာ) ၆၃၊ ဆူးမွှေကော်ကီလမ်း၊ စမ်းချောင်းမြို့နယ်၊ ရန်ကုန်မြို့

(ဖုန်းနံပါတ်) ၀၉-၅၀၅၅၈၉၁၆

[illegible]

Myanmar AVA Co, Ltd.

[illegible]

9-2-16

Asia AVA Gas Co, Ltd.

9-2-2016

Thida Aung

၆။ အဆိုပြုဒါရိုက်တာများစာရင်း၊ (မြန်မာ/အင်္ဂလိပ် နှစ်မျိုးဖြင့် ဖော်ပြပေးပါရန်)

စဉ်	အဆိုပြုဒါရိုက်တာများ၏ အမည်နှင့် ဖုန်းနံပါတ်	နိုင်ငံသား မှတ်ပုံတင်အမှတ်	အဆိုပြုဒါရိုက်တာများ၏ နေရပ်လိပ်စာ	ကနဦး ထည့်ဝင်မည့် အစုရှယ်ယာ
၁။	Mr. Amir Shahzan	PP No. 511343973	၈၃၊ ချမ်းမြေဝေဘီလမ်း စမ်းချောင်းမြို့နယ် ရန်ကုန်	၇၅၀၀၀
၂။	ဦးရှူးရှူးအောင်	၁၂/ဒဂုန(နိုင်) ၀၉၆၅၅၈	၃၇၊ သီရိလမ်း လှိုင်မြို့နယ် ရန်ကုန်မြို့	၇၅၀၀၀

မှတ်ချက်။ အုပ်ချုပ်မှုဒါရိုက်တာပြုလုပ်မည့်သူ၏ အမည်ကို အမှတ်စဉ် (၁) တွင် ဖော်ပြရေးပေးပါရန်

၇။ ဆောင်ရွက်မည့် လုပ်ငန်းရည်ရွယ်ချက်များ (မြန်မာ/အင်္ဂလိပ်နှစ်မျိုးဖြင့်ဖော်ပြပေးရန်)

(က) ရေနံဓာတ်ငွေ့ရည်၊ တင်သွင်း၊ သိုလှောင်၊ ဖြန့်ဖြူး၊ ရောင်းချခြင်းလုပ်ငန်း

(ခ) Liquefied Petrodeum Gas, Import, Storage and Distribution

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(ဒ) ------

လျှောက်ထားသူလက်မှတ် (signature) 9/2/16

အမည် ဦးရှုံးရှုံးအောင်

မှတ်ပုံတင်အမှတ် ၇/ဒဥန(နိုင်)၀၀၆၅၅၅


UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

PASSPORT
PASSEPORT

P GBR 511343973

SHAHRAN

AMIR

BRITISH CITIZEN

14 JUL /JUIL 79

M TEHRAN

30 AUG /AOUT 14 IPS

30 AUG /AOUT 24

P<GBRSHAHRAN<<AMIR<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

5113439732GBR7907142M2408301<<<<<<<<<<<<<<02

နိုင်ငံသား စိစစ်ရေး ကတ်ပြား



အရပ်---

သွေးအုပ်စု--- AB

ထင်ရှားသည့်

အမှတ်အသား---

အမှတ်---

9 JAN 1998

ရက်စွဲ---

အမည်---

ဖခင်၏အမည်---

မွေးသက္ကရာဇ်---

လူမျိုး---

ကိုးကွယ်သည့်ဘာသာ---

ထုတ်ပေးသူ၏လက်မှတ်

အမည်-စိုးအောင်

ရာထူး-

သက်သေခံကတ်ပြားအမှတ် --

လက်ဝဲ လက်မပုံစံ



အလုပ်အကိုင် --

နေရပ်လိပ်စာ --

ထိုးမြဲလက်မှတ် --

မှတ်ချက်။ (၁) ခရီးသွားသည့်အခါ တစ်ပါတည်း ယူဆောင်သွားရမည်။

(၂) ပျောက်ဆုံး ပျက်စီးသည့်အခါ သက်ဆိုင်ရာ ပြည်သူ့ရဲစခန်း၊ မြို့နယ် လူဝင်မှုကြီးကြပ်ရေးနှင့် ပြည်သူ့အင်အား ဦးစီးဌာနမှူးရုံး ထံသို့ သတင်းပေးပို့ရမည်။

Investment Proposal to

MYANMAR INVESTMENT COMMISSION

by Asia AVA Gas Company Limited

Section 17

Corporate Social Responsibility Programme

Liquefied Petroleum Gas Import, Storage, Bottling and Distribution Facility

Corporate Social Responsibility Program (CSR)

- Creating livable communities
  - Promote good relations with the local community. Helping to develop livable communities. The preservation of religion, cultural, tradition and education by building and restoring temples, schools, libraries, hospitals, clinics, water wells, and children playgrounds.

- Environmentally Friendly
  - We heed the potential environmental impacts from the business. Therefore focusing on the development to meet world environmental standards. Innovative environmental friendly working methods through conservation projects and activities such as planting forest, releasing of aquatic animals, and preservation of wildlife.

- Research to improve understanding of environmental conservation
  - Participate in research work with academic institutions, NGOs, and government officials on environmental friendly production methods.

  - For the Corporate Social Responsibilities Program, **Ava Gas Company Limited** is committed to spend 2% of net profits after taxannually for the local socio-economic activities as follows:

  - For Education Sector Development – 20%

  - For Health Care Sector Development – 20%

  - For Social Welfare Development – 20%

  - For Natural Disaster Prevention – 20%

  - For Local Community Development – 20%